AASP African American Studies Fall 2008

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jason Nichols MWF 10:00am - 10:50am	Seats (Total: 35) LEF 2208
0102	Jason Nichols MWF 12:00pm - 12:50pm	Seats (Total: 35) TYD 1101
0103	Jonathan England TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 2102
0104	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 0102
0105	Tammy Sanders TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3203
0106	Tammy Sanders TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 1118

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 5) TYD 0102

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Jonathan England TuTh 2:00pm - 3:15pm	Seats (Total: 36) TYD 1102	

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo Th 4:00pm - 6:30pm	Seats (Total: 45) KEY 0116	

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Sharon Harley MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 35) LEF 2205 TYD 1114	Discussion
0102	Sharon Harley MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 35) LEF 2205 TYD 1118	Discussion

0103	Sharon Harley MW 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 35) LEF 2205 TYD 1118	Discussion
0104	Sharon Harley MW 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 35) LEF 2205 TYD 1118	Discussion

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Sharon Harley MW 3:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 5) LEF 2205 TYD 0101	Discussion

AASP298A **Special Topics in African American Studies; African Civilization to 1800**

AASP298A Special Topics in African American Studies: African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST122.

0101	Paul Landau MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Paul Landau MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0103	Paul Landau MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 WDS 1130	Discussion
0104	Paul Landau MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 1122	Discussion

AASP298I **Special Topics in African American Studies; Introduction to Black Women's Studies**

AASP298I Special Topics in African American Studies: Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST263.

0101	Mel Lewis MW 2:00pm - 3:15pm	Seats (Total: 30) TLF 1103	

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL234.

0101	Zita Nunes TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) KEY 0106 LEF 1221	Discussion
0102	Zita Nunes TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) KEY 0106 JMZ 1117	Discussion
0103	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 LEF 1222	Discussion
0104	Zita Nunes TuTh 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 22) KEY 0106 KEY 0121	Discussion
0105	Zita Nunes TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0107	Zita Nunes TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 KEY 0116	Discussion
0108	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 WDS 1127	Discussion

0109	Zita Nunes TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SKN 0104	 Discussion
0110	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 WDS 1127	 Discussion

AASP298V **Special Topics in African American Studies; The Blues as a Cultural Art Form**

AASP298V Special Topics in African American Studies: The Blues as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Puryear W 1:00pm - 3:30pm	Seats (Total: 35) NCC 0130

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP298Y **Special Topics in African American Studies; Making of the Caribbean**
Contact department for information to register for this course.

AASP301 **Applied Policy Analysis and the Black Community**

AASP301 Applied Policy Analysis and the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (AASP101 and ECON200) or (AASP101 and ECON201).
Recommended: One semester of statistics. Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.

0101	Odis Johnson	Seats (Total: 24)
	Th 4:00pm - 6:30pm	PLS 1184

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Odis Johnson	Seats (Total: 10)
	Contact instructor or department for details.	

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398D **Selected Topics in the African Diaspora; Issues in African Development**

AASP398D Selected Topics in the African Diaspora: Issues in African Development; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sangeetha Madhavan Tu 3:00pm - 5:30pm	Seats (Total: 35) LEF 1220

AASP398Y **Selected Topics in the African Diaspora; Caribbean History: 1492-1838**
Contact department for information to register for this course.

AASP400 **Directed Readings in African American Studies**

AASP400 Directed Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.

0101	Sangeetha Madhavan W 3:30pm - 6:00pm	Seats (Total: 25) PLS 1113

AASP400H **Directed Readings in African American Studies**

AASP400H *(PermReq)* **Directed Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For general honors students only.

0101	Sangeetha Madhavan W 3:30pm - 6:00pm	Seats (Total: 5) PLS 1113

AASP411 **Black Resistance Movements**

AASP411 Black Resistance Movements; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. A comparative study of the black resistance movements in Africa and America; analysis of their interrelationships as well as their impact on contemporary pan-Africanism.

0101	Johonna McCants TuTh 12:30pm - 1:45pm	Seats (Total: 30) VMH 1518

AASP483 **Gender, Sexuality and the Black Family**

AASP483 Gender, Sexuality and the Black Family; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. Credit will be granted for only one of the following: AASP483 or AASP498F. Formerly AASP498F. Examining the historical, economic, social, and scholarly construction of African American family structures. The problematization of "Black matriarchy," hetero- and homosexuality, bi-racialism, and other efforts to "normalize" African Americans to conform to Eurocentric and religious concepts of family will be critically analyzed.

0101	Yael Zakai	Seats (Total: 30)
	Tu 6:30pm - 9:00pm	KEY 0103

AASP498J **Special Topics in Black Culture; The Indian Experience in the Caribbean**
Contact department for information to register for this course.

AASP498K **Special Topics in Black Culture; Sport and the Civil Rights Movement**

AASP498K Special Topics in Black Culture: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES293 or KNES293U and junior standing.

0101	Damion Thomas	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SPH 1301

AASP498Q **Special Topics in Black Culture; Using Qualitative Research Methods in Urban Studies**

AASP498Q Special Topics in Black Culture: Using Qualitative Research Methods in Urban Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	TYD 1118

AASP498T **Special Topics in Black Culture; Black Masculinities**

AASP498T Special Topics in Black Culture: Black Masculinities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey McCune Jr.	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	PLS 1111

AASP498X **Special Topics in Black Culture; The Greater Caribbean**
Contact department for information to register for this course.

AASP498Z **Special Topics in Black Culture; Caribbean Women**
Contact department for information to register for this course.

AASP499B **Advanced Topics in Public Policy and the Black Community; Race, Ethnicity, Wealth and Health**

AASP499B Advanced Topics in Public Policy and the Black Community: Race, Ethnicity, Wealth and Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Darrell Gaskin	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	BPS 1236

AASP499G **Advanced Topics in Public Policy and the Black Community; The Evaluation of Social Programs**

AASP499G Advanced Topics in Public Policy and the Black Community: The Evaluation of Social Programs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or permission of department. This course aims to be able to answer difficult questions while investigating federal programs, among them Urban Relocation Programs, Project Head Start, and local and state After-School programs.

0101	Odis Johnson	Seats (Total: 20)
	W 4:00pm - 6:30pm	KEY 0123

AASP499L **Advanced Topics in Public Policy and the Black Community; Law and Identities**

AASP499L Advanced Topics in Public Policy and the Black Community: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498D, JWST419D, LASC448L, LGBT448L, and WMST498C.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0119

AASP499P **Advanced Topics in Public Policy and the Black Community; African-American Politics and Political Economy**

AASP499P Advanced Topics in Public Policy and the Black Community: African-American Politics and Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP101.

0101	Jonathan England	Seats (Total: 35)
	M 3:00pm - 5:40pm	WDS 0104

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 25)
	W 4:00pm - 6:30pm	KEY 0103

AASP621 **Public Policy and Black Communities**

AASP621 Public Policy and Black Communities; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. This course explores the role of race in social policy formation and emphasizes the importance of both political institutions and economic relations as determinants of the policy making process and context.

0101	Odis Johnson	Seats (Total: 5)
	W 4:00pm - 6:30pm	KEY 0123

AAST Asian American Studies Fall 2008

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST 298C.

0101	Kozue Tsunoda TuTh 2:00pm - 3:15pm	Seats (Total: 40) COL 0101	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans, World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Larry Shinagawa MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0201	Larry Shinagawa MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0301	Larry Shinagawa MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 HBK 1116	Discussion
0401	Larry Shinagawa MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 EDU 1210B	Discussion

AAST222 **Immigration and Ethnicity in America**

AAST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Recommended: AAST201. Also offered as HIST222. Credit will be granted for only one of the following: AAST222, AAST298A, HIST219L or HIST222. Formerly AAST298A. The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture.

0101	Julie Park MWF 2:00pm - 2:50pm	Seats (Total: 40) ASY 3211

AAST298G **Special Topics in Asian American Studies; Asian American Foodways**

AAST298G Special Topics in Asian American Studies: Asian American Foodways; (3 credits) Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa MWF 12:00pm - 12:50pm	Seats (Total: 30) PLS 1111

AAST298J **Special Topics in Asian American Studies; Asian American Art**

AAST298J Special Topics in Asian American Studies: Asian American Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joan Lok W 10:00am - 12:30pm	Seats (Total: 38) HBK 0105

AAST298N **Special Topics in Asian American Studies; Filipino American Studies**

AAST298N Special Topics in Asian American Studies: Filipino American Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gemirald Daus Tu 4:00pm - 6:30pm	Seats (Total: 30) EGR 0110

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST498D **Advanced Topics in Asian American Studies; Law and Identities**

AAST498D Advanced Topics in Asian American Studies: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0119

AAST498E **Advanced Topics in Asian American Studies; Asian American Sexualities**

AAST498E Advanced Topics in Asian American Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Gemirald Daus	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PLS 1115

AGNR Agriculture and Natural Resources Fall 2008

AGNR270 **Technology Training Seminar**

AGNR270 Technology Training Seminar; (2-3 credits) Grade Method: REG.
For AGNR major only or by permission of department. Also offered as BSCI279. Credit will be granted for only one of the following: AGNR270 or BSCI279. A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability.

0101	Deborah Mateik, Mike Landavere, Jun Yang F 1:00pm - 3:30pm	Seats (Total: 7) PLS 1129
0201	Deborah Mateik, Jun Yang F 1:00pm - 3:30pm	Seats (Total: 8) PLS 1129

AGNR333 **Agriculture's Progression toward Industrialization**

AGNR333 Agriculture's Progression toward Industrialization; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. A survey reading course. Plots the global progression of agriculture toward industrialization and conflicts along the way. Reviews major trends, highlights contrasting perspectives, and reviews contemporary issues in agriculture and agricultural development.

0101	William Rivera TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 3106

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter Contact instructor or department for details.	Seats (Total: 5)

AGNR423 **Exploring International Agriculture**

AGNR423 *(PermReq)* **Exploring International Agriculture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of department. Not open to students who have completed AGNR422. Immersion-based, intensive course of study in a foreign agricultural setting. Students may expect to have university classes and field experiences in one or more agriculture and natural resource disciplines. Students will learn about the culture and customs of the host country as well as undertake at least an introductory language course.

0101	John Doerr	Seats (Total: 1)
	Contact instructor or department for details.	

AGNR450 **Human Resources Development in Agriculture**

AGNR450 Human Resources Development in Agriculture; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Formerly AGRI450. Human resources development in the agriculture sector highlights policy, institutional, and programmatic determinations to advance work force capability in countries worldwide. Focus on developing countries, their problems, needs, and the challenge ahead.

0101	William Rivera	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMP 3216

AGNR499 **Special Problems; Special Problems**

AGNR499 *(PermReq)* **Special Problems: Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Rivera	Seats (Total: 10)
	Contact instructor or department for details.	
0102	Leon Slaughter	Seats (Total: 1)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation — Fall 2008

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 1121

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 2120

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC607 **Advanced Numerical Optimization**

AMSC607 Advanced Numerical Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 410 or permission of instructor. Also offered as CMSC764. Credit will be granted for only one of the following: AMSC607, CMSC764, or MAPL607. Formerly MAPL607. Modern numerical methods for solving unconstrained and constrained nonlinear optimization problems in finite dimensions. Design of computational algorithms and the analysis of their properties.

0101	Dianne O'Leary	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3120

AMSC612 **Numerical Methods in Partial Differential Equations**

AMSC612 Numerical Methods in Partial Differential Equations; (3 credits) Grade Method: REG/AUD.
Prerequisite: a graduate level one semester course in partial differential equations or a theoretical graduate level course in applied field such as fluid mechanics; or permission of instructor. Credit will be granted for only one of the following: AMSC 612 or MAPL 612. Formerly MAPL612. Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

0101	Ricardo Nochetto	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 1313

AMSC660 **Scientific Computing I**

AMSC660 Scientific Computing I; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL466, or knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation) with permission of instructor. Also offered as CMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660. Formerly MAPL660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.

0101	Dianne O'Leary	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3120

AMSC663 **Advanced Scientific Computing I**

AMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG. *Prerequisite: AMSC/CMSC/MAPL 660, AMSC/CMSC/MAPL 661, and permission of instructor. Also offered as CMSC 663. Credit will be granted for only one of the following: AMSC 663 or CMSC 663.* In the sequence MAPL 663, MAPL 664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 0405

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as CMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666. Formerly MAPL666.* Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration.

0101	Howard Elman	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 3118

AMSC670 **Ordinary Differential Equations I**

AMSC670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 405; and MATH 410 or equivalent. Also offered as MATH 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 or MATH 670. Formerly MAPL670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only. Also offered as MATH670.

0101	Dmitry Dolgopyat	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH B0423

AMSC673 **Partial Differential Equations I**

AMSC673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as MATH 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673. Formerly MAPL673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only. Also offered as MATH673.

0101	Athanasios Tzavaras	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 1311

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698 **Advanced Topics in Applied Mathematics**
Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698B **Advanced Topics in Applied Mathematics; Error Correcting Codes**

AMSC698B Advanced Topics in Applied Mathematics: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg	Seats (Total: 32)
	TuTh 3:30pm - 4:45pm	CSI 2118

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Fall 2008

AMST201 **Introduction to American Studies**

AMST201 Introduction to American Studies; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course.
Introduction to American cultural studies--past and present--by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities. Sections 0101, 0102 and 0103 are traditional classroom-based courses. Sections 0104, 0105 and 0106 are hybrid courses, featuring an online discussion. All students registering for AMST201 should make sure their email address is listed correctly in Testudo, to ensure they receive introductory communication.

0101	L Gordon Tu 11:00am - 12:30pm Th 9:30am - 10:45am	Seats (Total: 25) SQH 1120 HZF 0106	 Discussion
0102	L Gordon Tu 11:00am - 12:30pm Th 11:00am - 12:15pm	Seats (Total: 25) SQH 1120 HZF 0106	 Discussion

0103	L Gordon Tu 11:00am - 12:30pm Tu 9:30am - 10:45am	Seats (Total: 25) SQH 1120 JMZ 0103	Discussion
0104	L Gordon Tu 11:00am - 12:30pm Class time/details on ELMs	Seats (Total: 25) SQH 1120 ONLINE	Discussion
0105	L Gordon Tu 11:00am - 12:30pm Class time/details on ELMs	Seats (Total: 25) SQH 1120 ONLINE	Discussion
0106	L Gordon Tu 11:00am - 12:30pm Class time/details on ELMs	Seats (Total: 25) SQH 1120 ONLINE	Discussion
FC01	Johonna McCants F 10:00am - 11:15am Class time/details on ELMs *This section is only open to students in Freshmen Connection.*	Seats (Total: 19) CHE 2145 ONLINE	Discussion

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Christopher Perez MWF 9:00am - 9:50am	Seats (Total: 25) HZF 0101	
FC01	L Gordon F 11:30am - 12:45pm Class time/details on ELMs *This section is only open to students in Freshmen Connection.*	Seats (Total: 21) HBK 0105 ONLINE	Discussion

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Robert Chester MWF 12:00pm - 12:50pm	Seats (Total: 25) HBK H0302	
	This section will meet in Hornbake room H0302.		

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Teresa Moyer TuTh 9:30am - 10:45am	Seats (Total: 25) PLS 1113	
0201	Teresa Moyer TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0101	

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

FC01	Rebecca Krefting F 1:00pm - 2:15pm Class time/details on ELMs	Seats (Total: 18) SYM 0215 ONLINE	 Discussion
	This section is only open to students in Freshmen Connection.		

AMST212 **Diversity in American Culture**

AMST212 Diversity in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Christine Muller MWF 11:00am - 11:50am	Seats (Total: 25) HZF 0106	
0102	Christine Muller MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0106	

AMST260 **American Culture in the Information Age**

AMST260 American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: AMST260 or AMST298I. Formerly AMST298I. Examines the ways in which content and form of public information interact with the culture, families & individuals.

0101	Sheri Parks MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) CHM 1402 MTH B0425	Discussion
0102	Sheri Parks MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) CHM 1402 SKN 1115	Discussion
0103	Sheri Parks MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) CHM 1402 HZF 0101	Discussion
0104	Sheri Parks MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) CHM 1402 HZF 0101	Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST 200.

0101	Kozue Tsunoda TuTh 2:00pm - 3:15pm	Seats (Total: 40) COL 0101	

AMST328B **Perspectives on Identity and Culture; Advanced American Culture in the Information Age**

AMST328B Perspectives on Identity and Culture: Advanced American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sheri Parks MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) CHM 1402 CHM 0124	 Discussion

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
Prerequisite: Two AMST courses. Sophomore standing. For AMST majors only. Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Heidi Nasstrom Evans MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 3203
0102	John Caughey TuTh 2:00pm - 3:15pm	Seats (Total: 20) HZF 0106

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Faculty mentored independent learning. Online interaction using WEBCT required.

Contact department for information to register for this course.

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418A **Cultural Themes in America; America: African-American Visual and Material Culture**

AMST418A Cultural Themes in America: America: African-American Visual and Material Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cheryl LaRoche W 4:00pm - 6:40pm	Seats (Total: 25) PHY 1402

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG/P-F/AUD.

0101	John Caughey Contact instructor or department for details.	Seats (Total: 5)
0201	R Kelly Contact instructor or department for details.	Seats (Total: 5)
0301	Myron Lounsbury Contact instructor or department for details.	Seats (Total: 5)
0401	Mary Sies Contact instructor or department for details.	Seats (Total: 5)
0501	Psyche Williams-Forson Contact instructor or department for details.	Seats (Total: 5)

0601	Jo Paoletti Contact instructor or department for details.	Seats (Total: 5)
0801	Sheri Parks Contact instructor or department for details.	Seats (Total: 5)
0901	Nancy Struna Contact instructor or department for details.	Seats (Total: 5)
2401	Christina Hanhardt Contact instructor or department for details.	Seats (Total: 5)

AMST418L **Cultural Themes in America; Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Caughey TuTh 11:00am - 12:15pm	Seats (Total: 35) HZF 0101

AMST429D **Perspectives on Popular Culture; Children and the Media**

AMST429D Perspectives on Popular Culture: Children and the Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Brody Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 35) BPS 1236 BPS 1236

AMST429E **Perspectives on Popular Culture; Television Situation Comedy**

AMST429E Perspectives on Popular Culture: Television Situation Comedy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf Tu 3:30pm - 6:30pm	Seats (Total: 35) SKN 1115

AMST429I **Perspectives on Popular Culture; New York Film Culture**

AMST429I Perspectives on Popular Culture: New York Film Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Myron Lounsbury Tu 2:00pm - 3:15pm Th 4:00pm - 6:40pm	Seats (Total: 35) HBK 0302 HBK 0302

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Nine hours prior coursework in American Studies, including AMST201. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Psyche Williams-Forson MW 10:00am - 11:15am	Seats (Total: 20) HZF 1108
0201	Myron Lounsbury M 4:00pm - 6:40pm	Seats (Total: 20) HZF 0106

AMST498D **Special Topics in American Studies; Black Masculinities**

AMST498D Special Topics in American Studies: Black Masculinities; (3 credits) Grade Method: REG.

0101	Jeffrey McCune Jr. TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1111

AMST498Q **Special Topics in American Studies; Advanced Material Culture**

AMST498Q Special Topics in American Studies: Advanced Material Culture; (3 credits) Grade Method: REG.

0101	Psyche Williams-Forson MW 2:00pm - 3:15pm	Seats (Total: 35) CHM 1228

AMST601 **Introductory Theories and History in American Studies**

AMST601 Introductory Theories and History in American Studies; (3 credits)
Grade Method: REG.
Not open to Graduate Advanced Special Students. Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Nancy Struna	Seats (Total: 15)
	M 4:00pm - 6:40pm	HZF 1108

AMST628I **Seminar in American Studies; Performance and Culture**

AMST628I Seminar in American Studies: Performance and Culture; (3 credits)
Grade Method: REG.

0101	Jeffrey McCune Jr.	Seats (Total: 15)
	Th 4:00pm - 6:40pm	HZF 1108

AMST628L **Seminar in American Studies; What Makes A City? The Politics and Culture of Metropoltan America in the Late 20th Century**

AMST628L Seminar in American Studies: What Makes A City? The Politics and Culture of Metropoltan America in the Late 20th Century; (3 credits) Grade Method: REG/AUD.
Also offered as HIST619R.

0101	David Freund	Seats (Total: 15)
	W 4:00pm - 6:40pm	HZF 1108

AMST628P **Seminar in American Studies; Race, Sexuality and the Public Sphere**

AMST628P Seminar in American Studies: Race, Sexuality and the Public Sphere; (3 credits) Grade Method: REG/AUD.

0101	Christina Hanhardt	Seats (Total: 15)
	Tu 4:00pm - 6:40pm	HZF 1108

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

AMST857 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: AMST856 and Permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies Contact instructor or department for details.	Seats (Total: 2)
0901	Nancy Struna Contact instructor or department for details.	Seats (Total: 2)

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Fall 2008

ANSC101 **Principles of Animal Science**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 Principles of Animal Science; (2 credits) Grade Method: REG/P-F/AUD. A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized. Offered in fall semester only. Offered fall only.

0101	William Stricklin	Seats (Total: 225)	
	MW 1:00pm - 1:50pm	PHY 1412	

ANSC103 **Principles of Animal Science Laboratory**

ANSC103 Principles of Animal Science Laboratory; (1 credit) Grade Method: REG/P-F/AUD.

Pre- or corequisite: ANSC101. Restricted to ANSC majors. Other students in the College of AGNR can contact the department for permission to enroll. Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only.

0101	Sarah Benoit	Seats (Total: 25)	
	Tu 12:00pm - 1:50pm	ANS 1144	Lab
0201	Sarah Benoit	Seats (Total: 25)	
	Tu 2:00pm - 3:50pm	ANS 1144	Lab

0301	Sarah Benoit Th 10:00am - 11:50am	Seats (Total: 25) ANS 1144	Lab
0401	Sarah Benoit Th 12:00pm - 1:50pm	Seats (Total: 25) ANS 1144	Lab

ANSC211 **Anatomy of Domestic Animals**

ANSC211 Anatomy of Domestic Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and BSCI105. For ANSC and ENSP (2299M) majors only. A systematic gross and microscopic comparative study of the anatomy of the major domestic animals. Special emphasis is placed on those systems important in animal production. Offered fall only.

0101	Angela Black MW 2:00pm - 2:50pm M 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	Lab
0102	Angela Black MW 2:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	Lab
0103	Angela Black MW 2:00pm - 2:50pm M 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	Lab
0104	Angela Black MW 2:00pm - 2:50pm W 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	Lab

ANSC220 **Livestock Management**

ANSC220 Livestock Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101. Management of meat animals including beef, sheep, and swine. This course will emphasize obtaining optimal efficiency of production through the integration of leading edge breeding, feeding, management, and marketing practices.

0101	Thomas Hartsock	Seats (Total: 70)	
	TuTh 11:00am - 12:15pm	ANS 0408	

ANSC233 **Equine Behavior**

ANSC233 *(PermReq)* **Equine Behavior; (2 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC232. Credit will be granted for only one of the following: ANSC489B or ANSC233. Formerly ANSC489B.* Both normal and anomalous behavior of horses will be covered. Emphasis will be given to techniques based on knowledge of behavior that are known to be safe and effective in handling horses.

0101	Erin Pittman	Seats (Total: 20)	
	W 10:00am - 10:50am	JUL 1111	
	Th 2:00pm - 3:50pm	JUL 1123	Lab

ANSC252 **Introduction to the Diseases of Wildlife**

ANSC252 Introduction to the Diseases of Wildlife; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 or equivalent or permission of department. The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved. Offered fall only.

0101	Cindy Driscoll	Seats (Total: 40)	
	M 4:00pm - 5:50pm	ANS 0408	
	M 6:00pm - 6:50pm	ANS 0408	Discussion

ANSC255 **Introduction to Aquaculture**

ANSC255 Introduction to Aquaculture; (3 credits) Grade Method: REG.
Prerequisite: ANSC101 or introductory biology course. Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment.

0101	L Woods	Seats (Total: 8)	
	M 12:00pm - 2:00pm	ANS 0412	
	F 12:00pm - 2:00pm	ANS 0412	Lab

ANSC314 **Comparative Animal Nutrition**

ANSC314 Comparative Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ANSC101 and (CHEM104 or CHEM231).* The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes. Offered fall only.

0101	Brian Bequette	Seats (Total: 90)
	MWF 9:00am - 9:50am	ANS 0408

ANSC330 **Equine Science**

ANSC330 Equine Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC232 or permission of instructor. Recommended: ANSC211 and ANSC212. Credit will be granted for only one of the following: ANSC230 or ANSC330. Formerly ANSC230.* Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized. Offered fall only.

0101	Amy Burk	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ANS 0402

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC444 **Domestic Animal Endocrinology**

ANSC444 Domestic Animal Endocrinology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212 or permission of instructor. Not open to students who have completed ANSC489I or ANSC644. Credit will be granted for only one of the following: ANSC489I, ANSC444, or ANSC644. Formerly ANSC489I. Current developments in endocrinology as it relates to animals used in the production of food and other products important to the well being of humans will be covered.

0101	Mark Varner	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	ANS 0408	

ANSC455 **Applied Animal Behavior**

ANSC455 Applied Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANSC101 or BSCI106. Principles of animal behavior applied to production systems in animal agriculture. Offered fall only.

0101	Janet Halperin	Seats (Total: 35)	
	MF 11:00am - 11:50am	ANS 0408	
	W 11:00am - 12:50pm	ANS 0408	Lab

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC644 **Molecular and Cellular Endocrinology**

ANSC644 Molecular and Cellular Endocrinology; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed ANSC688I or ANSC444 or ANSC489I. Credit will be granted for only one of the following: ANSC444 or ANSC489I or ANSC644 or ANSC688I. Formerly ANSC688I. A comprehensive course covering the major endocrine systems in animals. Lecture topics include major endocrine axes, hormonal regulation of homeostasis, growth and reproduction, and endocrine mechanisms of action. Advanced concepts in the molecular and cell biology of hormone action and regulation addressed in weekly discussion sessions centered on current research publications in the field of molecular and cellular endocrinology.

0101	Tom Porter, Mark Varner	Seats (Total: 10)	
	TuTh 2:00pm - 3:15pm Th 9:00am - 10:00am	ANS 0408 ANS 0467	Discussion

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688C **Special Topics; Cognitive Ethology**

ANSC688C Special Topics: Cognitive Ethology; (2 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688E **Special Topics; Equine Nutrition**

ANSC688E Special Topics: Equine Nutrition; (1 credit) Grade Method: REG/AUD.

0101	Amy Burk	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688Z **Special Topics; Quantitative Genetics**

ANSC688Z Special Topics: Quantitative Genetics; (3 credits) Grade Method: REG/AUD.
Prerequisites: ANSC450 and BIOM602 (or equivalent courses)

0101	Frank Siewerdt MW 4:00pm - 5:15pm	Seats (Total: 25) ANS 0412

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann Tu 4:00pm - 4:50pm	Seats (Total: 25) ANS 0467

ANSC698D **Seminar; Developing Presentation Skills**

ANSC698D Seminar: Developing Presentation Skills; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann Tu 4:00pm - 4:50pm	Seats (Total: 12) ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Fall 2008

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30 Lab Materials Fee.

0101	Teresa Leslie TuTh 11:00am - 12:15pm M 8:00am - 10:00am	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0102	Teresa Leslie TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0103	Teresa Leslie TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0104	Teresa Leslie TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0105	Teresa Leslie TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab

0106	Teresa Leslie TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	Lab
FC01	Teresa Leslie TuTh 4:30pm - 5:45pm F 11:30am - 12:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 17) PLS 1140 WDS 0124C	Lab
FC02	Teresa Leslie TuTh 4:30pm - 5:45pm F 1:00pm - 2:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 14) PLS 1140 WDS 0124C	Lab
FC03	Teresa Leslie TuTh 4:30pm - 5:45pm F 2:30pm - 3:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 14) PLS 1140 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Stephen Brighton MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) PLS 1140 WDS 0104	Discussion
0102	Stephen Brighton MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 WDS 1131	Discussion
0103	Stephen Brighton MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) PLS 1140 WDS 1130	Discussion

0201	Mark Leone MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) ASY 2309 ASY 2309	 Discussion
FC01	Matthew Cochran TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 30) KEY 1117	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	William Stuart MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 WDS 1114	 Discussion
0102	William Stuart MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 WDS 0104	 Discussion
0103	William Stuart MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 WDS 1127	 Discussion
0104	William Stuart MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 30) ARM 0135 WDS 1130	 Discussion
0105	William Stuart MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) ARM 0135 HZF 0106	 Discussion
FC01	William Stuart TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) WDS 1114	

ANTH320 **Method and Theory in Biological Anthropology**

ANTH320 Method and Theory in Biological Anthropology; (3 credits) Grade Method: REG/P-F.
Prerequisite: ANTH220 or permission of department. Credit will be granted for only one of the following: {ANTH320 and ANTH425} or ANTH625. Theoretical and methodological overview of biological anthropology, including evolutionary anthropology, anthropological genetics, physiological anthropology, human biology, primatology, paleoanthropology, human biodiversity, and contemporary selective challenges to modern humanity. Emphasis on core concepts and their research applications.

0101	Fatimah Jackson	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TYD 2108

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH364 **The Anthropology of Religion**

ANTH364 The Anthropology of Religion; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANTH260.* Comparative study of religion in social, cultural, political, and economic context. Combines the history of schools of interpretation with a survey of theoretical alternatives and a focus on selected case studies.

0101	William Stuart	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH366 **Film Images of Native Americans**

ANTH366 Film Images of Native Americans; (3 credits) Grade Method: REG/AUD. An examination of how indigenous people of the New World have been presented to film audiences of the world. Development of an ethnographic understanding of Native Americans via the use of videos, films, and classroom discussion.

0101	Gail Thakur	Seats (Total: 50)
	Tu 7:00pm - 9:30pm	Location: TBA
	The class will be held in Room H of the Non-Print Media Center.	

ANTH368I **Regional Ethnography; Peacebuilding, Post-Conflict Reconstruction, and International Development**

ANTH368I *(PermReq)* **Regional Ethnography: Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as GVPT354.

0101	John Grayzel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 0117

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1 credit)** Grade Method: REG/P-F/AUD.
Required course for ANTH students undertaking capstone research and/or thesis (must be taken concurrently with ANTH 476, ANTH 477, ANTH 486, ANTH 487).

0101	William Stuart M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1127

ANTH398T **Independent Study; Proseminar-Capstone Thesis Writing**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis Writing; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Stuart M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1127
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 5)

ANTH410 **Theory and Practice of Health and Community Development**

ANTH410 Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH610. Credit will be granted for only one of the following: ANTH410 or ANTH610. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives. Also offered as ANTH610.

0101	Judith Freidenberg Th 6:00pm - 8:40pm	Seats (Total: 20) WDS 1114

ANTH428Z **Special Topics in Bioanthropology; Anthropology of Disease**

ANTH428Z Special Topics in Bioanthropology: Anthropology of Disease; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH689Z.

0101	Fatimah Jackson TuTh 8:00am - 9:15am	Seats (Total: 20) TYD 2108

ANTH440 **Theory and Practice of Historical Archaeology**

ANTH440 Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH640. Credit will be granted for only one of the following: ANTH440 or ANTH640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories. Also offered as ANTH640.

0101	Paul Shackel Tu 6:00pm - 8:40pm	Seats (Total: 15) WDS 1114

ANTH448Q **Special Topics in Archaeology; The Archaeology of Modern Cities**

ANTH448Q Special Topics in Archaeology: The Archaeology of Modern Cities; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH689Q.

0101	Stephen Brighton	Seats (Total: 25)
	MW 1:00pm - 2:15pm	WDS 1114

ANTH448V **Special Topics in Archaeology; Public Archaeology**

ANTH448V Special Topics in Archaeology: Public Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH642. Click here for further course information

0101	Mark Leone	Seats (Total: 20)
	Tu 2:00pm - 4:40pm	WDS 1127

ANTH448W **Special Topics in Archaeology; Chesapeake Archaeology**

ANTH448W Special Topics in Archaeology: Chesapeake Archaeology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Palus	Seats (Total: 30)
	MW 3:00pm - 4:15pm	MMH 0108

ANTH450 **Theory and Practice of Environmental Anthropology**

ANTH450 Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH650. Credit will be granted for only one of the following: ANTH450 or ANTH650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH650.

0101	Michael Paolisso	Seats (Total: 12)
	Th 6:00pm - 8:40pm	TYD 1118

ANTH468A **Subversive Culture**

ANTH468A Subversive Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: ANTH360.

0101	Laurie Frederik Meer TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1809

ANTH468B **Special Topics in Cultural Anthropology; Urban Ethnography**

ANTH468B Special Topics in Cultural Anthropology: Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tony Whitehead Th 2:00pm - 5:00pm	Seats (Total: 14) SKN 1112

ANTH468K **Special Topics in Cultural Anthropology; Race and Ethnicity in Brazil: A Social History**

ANTH468K Special Topics in Cultural Anthropology: Race and Ethnicity in Brazil: A Social History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448F.

0101	Janet Chernela M 4:00pm - 6:40pm	Seats (Total: 30) PLS 1111

ANTH470 **History and Philosophy of Anthropological Inquiry**

ANTH470 History and Philosophy of Anthropological Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220 or ANTH240 or ANTH260. Recommended: ANTH320 or ANTH340 or ANTH360 or ANTH380. Important philosophical and historical aspects of anthropological theorizing. Attention will be given on the Ontological and Epistemological (the latter including Methodological) assumptions of the major camps and paradigms in anthropology over the past one hundred or so years, especially the last three decades. A focus on developments in cultural anthropology, while addressing the other subfields of anthropology.

0101	William Stuart M 6:00pm - 9:00pm	Seats (Total: 15) SKN 0104

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477.* Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH498N **Advanced Field Training in Ethnography; Ethnology of the Immigrant Life**

ANTH498N Advanced Field Training in Ethnography: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH689N.

0101	Judith Freidenberg W 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 10) WDS 0104

ANTH601 **Applied Anthropology**

ANTH601 Applied Anthropology; (3 credits) Grade Method: REG.
An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology. Offered fall only.

0101	Erve Chambers M 6:00pm - 8:40pm	Seats (Total: 25) WDS 0104

ANTH606 **Qualitative Methods in Applied Anthropology**

ANTH606 Qualitative Methods in Applied Anthropology; (3 credits) Grade Method: REG.
An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills. Offered fall only.

0101	Michael Paolisso W 6:00pm - 8:40pm	Seats (Total: 25) WDS 1114

ANTH610 **Advanced Studies in Theory and Practice of Health and Community Development**

ANTH610 Advanced Studies in Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 410. Credit will be granted for only one of the following: ANTH 610 or ANTH 410. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives. Also offered as ANTH410.

0101	Judith Freidenberg Th 6:00pm - 8:40pm	Seats (Total: 10) WDS 1114

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead Th 2:00pm - 5:00pm	Seats (Total: 14) SKN 1112

ANTH640 **Advanced Studies in Theory and Practice of Historical Archaeology**

ANTH640 Advanced Studies in Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 440. Credit will be granted for only one of the following: ANTH 440 or ANTH 640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories. Also offered as ANTH440.

0101	Paul Shackel	Seats (Total: 15)
	Tu 6:00pm - 8:40pm	WDS 1114

ANTH642 **Advanced Studies in Public Archaeology**

ANTH642 Public Archaeology; (3 credits) Grade Method: REG/AUD.
Explores the uses and environments for archaeological work through a discussion of museum, electronic media, heritage settings, outdoor history museums, including the legal environment that offers protection for archaeological remains. The course exposes advanced graduate students to the majority of the cultural media within which archaeology is currently practiced. The interdisciplinary course is a survey of the progress made within and beyond anthropology in understanding the function of heritage, public memory, tourism, and the other popular uses of material from the past, including the progress made in linguistics and psychology, and other cognitive disciplines in understanding the purpose of the past. Also offered as ANTH448V.

0101	Mark Leone	Seats (Total: 10)
	Tu 2:00pm - 4:40pm	WDS 1127

ANTH646 **Chesapeake Archaeology**

ANTH646 Chesapeake Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH448W, ANTH646, or ANTH689W. An understanding of the greater Chesapeake region, including its major cities, derived from prehistoric and historical archaeology. The course will include topics related to the past and present conditions of Native peoples, colonized populations, and the relationship of preserved remains to modern political standings.

0101	Matthew Palus	Seats (Total: 10)
	MW 3:00pm - 4:15pm	MMH 0108

ANTH650 **Advanced Studies in Theory and Practice of Environmental Anthropology**

ANTH650 Advanced Studies in Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 450. Credit will be granted for only one of the following: ANTH 450 or ANTH 650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH450.

0101	Michael Paolisso Th 6:00pm - 8:40pm	Seats (Total: 8) TYD 1118

ANTH654 **Travel and Tourism**
Contact department for information to register for this course.

ANTH670 **Current Developments in Anthropological Theory**

ANTH670 Current Developments in Anthropological Theory; (3 credits) Grade Method: REG/AUD.
A review of major contributions to anthropological theory, with a special emphasis on the relationship between practice and theory. Includes use of concept of culture in the four traditional subfields, fieldwork and grounded theory, and significant advances in general theory, symbolic anthropology, critical theory, and postmodernism.

0101	William Stuart M 6:00pm - 9:00pm	Seats (Total: 15) SKN 0104

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688R **Current Developments in Anthropology; Anthropology of Religion**

ANTH688R Current Developments in Anthropology: Anthropology of Religion; (3 credits) Grade Method: REG/AUD.

0101	William Stuart TuTh 9:30am - 10:45am	Seats (Total: 10) WDS 1114

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689N **Special Problems in Anthropology; Ethnology of the Immigrant Life**

ANTH689N Special Problems in Anthropology: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/S-F.
Also offered as ANTH498N.

0101	Judith Freidenberg W 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 5) WDS 0104

ANTH689Q **Special Problems in Anthropology; Modern World Archaeology of Cities**

ANTH689Q Special Problems in Anthropology: Modern World Archaeology of Cities; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH448Q.

0101	Stephen Brighton MW 1:00pm - 2:15pm	Seats (Total: 10) WDS 1114

ANTH689Z **Special Problems in Anthropology; Anthropology of Disease**

ANTH689Z Special Problems in Anthropology: Anthropology of Disease; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH428Z.

0101	Fatimah Jackson TuTh 8:00am - 9:15am	Seats (Total: 10) WDS 1114

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Fall 2008

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution. CORE Physical Science Lab (PL) course only when taken concurrently with METO 201.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.

0101	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0102	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CHE 2145	 Discussion
0104	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 JMP 1109	 Discussion
0105	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 MTH 0411	 Discussion
0106	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 MTH 0409	 Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. CORE Physical Science Lab (PL) course only when taken concurrently with METO 200. Students must pay a $50.00 lab fee.

0101	Robert Hudson Tu 2:30pm - 4:20pm	Seats (Total: 18) CSS 3426	Lab
0102	Robert Hudson W 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0103	Robert Hudson F 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab

AOSC346 **Cycles in the Earth System**

AOSC346 Cycles in the Earth System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, AOSC/GEOG/GEOL123, or permission of department. Recommended: MATH141, PHYS141, PHYS171, or PHYS161. Also offered as GEOG346, GEOL346. The Earth System operates through some fundamental cycles such as water, energy, and the carbon cycles. This course will build on GEOL/GEOG/AOSC123 starting with concept of feedbacks within the Earth System, global energy balance and the Greenhouse Effect. A brief introduction to the atmospheric and oceanic circulation will lead to the water cycle connecting the land, ocean, and atmosphere to the Earth System. Introduction to the Global carbon, nitrogen, and sulfur cycles will be followed by the concept of long-term climate regulation and short-term climate variability. The concepts of cycles, feedbacks, forcings, and responses in the Earth System will be applied to Global Warming and Ozone Depletion.

0101	Raghu Murtugudde MW 10:00am - 11:30am	Seats (Total: 15) CSS 0201	

AOSC400 **The Atmosphere**

AOSC400 The Atmosphere; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, PHYS161, PHYS171 or permission of department. Formerly METO400. The atmosphere and its weather and climate systems. Composition of the atmosphere, energy sources and sinks, winds, storms and global circulation. The application of basic classical physics, chemistry and mathematics to the study of the atmosphere.

0101	James Carton	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSS 2416

AOSC431 **Meteorology for Scientists and Engineers I**

AOSC431 Meteorology for Scientists and Engineers I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 or 461; PHYS270 and PHYS271 (Formerly: 263); CHEM103. Recommended: MATH246. The general character of the atmosphere and its weather and climate systems, phenomena and distributions of variables (winds, temperature, pressure and moisture). The formal framework of the science; the application of basic classical physics, chemistry, mathematics and computational sciences to the atmosphere.

0101	Daniel Kirk-Davidoff	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSS 2416

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC600 **Synoptic Meteorology I**

AOSC600 Synoptic Meteorology I; (3 credits) Grade Method: REG/AUD.
Prerequisites: METO 610 and METO 620. Formerly METO600. Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Vernon Kousky	Seats (Total: 10)
	TuTh 9:00am - 10:15am	CSS 3425

AOSC610 **Dynamics of the Atmosphere and Ocean I**

AOSC610 Dynamics of the Atmosphere and Ocean I; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: MATH 462 or equivalent PDE (partial differential equations) course. Formerly METO610. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Sumant Nigam	Seats (Total: 30)
	MF 9:00am - 10:15am	CSS 2428
	W 9:00am - 9:50am	CSS 2428

AOSC614 **Atmospheric Modeling, Data Assimilation and Predictability**

AOSC614 Atmospheric Modeling, Data Assimilation and Predictability; (3 credits) Grade Method: REG.
Prerequisite: METO 610 or permission of instructor. Recommended: METO 611. Formerly METO614. Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.

0101	Eugenia Kalnay	Seats (Total: 15)
	W 10:00am - 12:30pm	CSS 2428

AOSC620 **Physics and Chemistry of the Atmosphere I**

AOSC620 Physics and Chemistry of the Atmosphere I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 461 or equivalent Scientists Linear Algebra course. Formerly METO620. Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Ning Zeng TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSS 2416

AOSC658C **Special Topics in Meteorology; Numerical Methods in Atmospheric and Oceanic Science**

AOSC658C Special Topics in Meteorology: Numerical Methods in Atmospheric and Oceanic Science; (3 credits) Grade Method: REG/AUD.
Introduction to numerical methods used in atmospheric and oceanic sciences, such as numerical integration, Fourier analysis, solution of ODEs and PDEs, visualization of satellite data, etc. A hands on programming course, taught in a computer laboratory setting, utilizing Fortran, IDL,and Matlab. No prior programming experience required.

0101	Ross Salawitch, Timothy Canty MWF 12:45pm - 1:50pm	Seats (Total: 18) CSS 3426

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC670 **Physical Oceanography**

AOSC670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as GEOL 670. Credit will be granted for only one of the following: GEOL 670 or METO 670. Formerly METO670.
Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, gochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton MW 2:00pm - 3:15pm	Seats (Total: 20) CSS 2416

AOSC680 **Introduction to Earth System Science**

AOSC680 Introduction to Earth System Science; (3 credits) Grade Method: REG/AUD.
An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cylcing of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability:land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Antonio Busalacchi	Seats (Total: 20)
	W 1:00pm - 3:30pm	Location: TBA
	This course will be held in the M-Square Office Building Suite 4001 Roo 4046.	

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Fall 2008

ARAB104 **Elementary Modern Standard Arabic I-II**

ARAB104 Elementary Modern Standard Arabic I-II; (6 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Dina El-Hefnawy MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 2117
0201	Bouchra Araji MWF 10:00am - 11:50am	Seats (Total: 15) HBK 1112
0301	Meryem Cherrouk MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 2117
0401	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 0205
0501	Maisoon Shahin MWF 10:00am - 11:50am *This section is restricted to incoming freshman.*	Seats (Total: 15) MTH 2300
0601	Maisoon Shahin MWF 12:00pm - 1:50pm *This course is restricted to incoming freshman.*	Seats (Total: 15) MTH 2300

ARAB106 **Elementary Egyptian Colloquial Arabic I**

ARAB106 Elementary Egyptian Colloquial Arabic I; (3 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. Basic knowledge of Arabic script required. Introduction to the widely spread spoken variety of Egyptian Arabic, covering the basic range of communicative and cultural situations where Modern Standard Arabic is not used. {Can be taken concurrently with an MSA course}. Emphasis is on developing the learners' listening and speaking skills in Egyptian Arabic, since colloquial Arabic dialects are mainly used in speech.

0101	Dina El-Hefnawy TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2125
FLP1	Inas Hassan TuTh 9:30am - 10:45am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 0) JMZ 1211
FLP2	Abdulmonam Alikaj TuTh 9:30am - 10:45am	Seats (Total: 0) EDU 0206

ARAB204 **Intermediate Modern Standard Arabic I**

ARAB204 Intermediate Modern Standard Arabic I; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB105. Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

0101	Bouchra Araji MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1124
0201	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 1120
FLP1	Inas Hassan MWF 12:00pm - 1:50pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 0) JMZ 1211
FLP2	Abdulmonam Alikaj MW 10:00am - 11:50am F 10:00am - 11:50am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 0) JMZ 3122 JMZ 2106F

ARAB206 **Elementary Egyptian Colloquial Arabic III**

ARAB206 Elementary Egyptian Colloquial Arabic III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB107 or permission of department. Develops listening and speaking skills in Egyptian Arabic. Covers family, school, shopping, and social interaction. Some reading in Arabic.

0101	Dina El-Hefnawy TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2120

ARAB207 **Elementary Egyptian Colloquial Arabic IV**
Contact department for information to register for this course.

ARAB211 **Elementary Levantine Arabic IV**
Contact department for information to register for this course.

ARAB304 **Advanced Modern Standard Arabic I**

ARAB304 Advanced Modern Standard Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB205 or permission of department. Not open to students who have completed ARAB301. Formerly ARAB301. Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture.

0101	Meryem Cherrouk TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 3118
FLP1	Abdulmonam Alikaj Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 0) JMZ 1224 JMZ 1123

ARAB331 **Listening Strategies in Arabic II**
Contact department for information to register for this course.

ARAB603 **Advanced Arabic into English Translation**
Contact department for information to register for this course.

ARAB610 **Islamic Culture**

Contact department for information to register for this course.

ARAB628 **Special Topics in Arabic Studies**
Contact department for information to register for this course.

ARAB628A **Special Topics in Arabic Studies**
Contact department for information to register for this course.

ARCH Architecture Fall 2008

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0102	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0103	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0104	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1125	Discussion
0105	Ronit Eisenbach MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0106	Ronit Eisenbach MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion

0107	Ronit Eisenbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0108	Ronit Eisenbach MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1123	Discussion
0109	Ronit Eisenbach MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0110	Ronit Eisenbach MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 19) ARC 0204 ARC 1101	Discussion
0201	Ronit Eisenbach MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0202	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0203	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1121	Discussion
0204	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1127	Discussion
0206	Ronit Eisenbach MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0207	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion

0208	Ronit Eisenbach MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0209	Ronit Eisenbach MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 22) ARC 0204 ARC 1125	Discussion
0212	Ronit Eisenbach MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 22) ARC 0204 ARC 1123	Discussion

ARCH170U **Introduction to the Built Environment**
Contact department for information to register for this course.

ARCH225 **History of World Architecture I**

ARCH225 History of World Architecture I; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from prehistory through the year 1000 CE.

0101	Robert Vann TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204

ARCH227 **History of World Architecture III**

ARCH227 *(PermReq)* **History of World Architecture III; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1800 to present.

0101	Isabelle Gournay TuTh 12:30pm - 1:45pm	Seats (Total: 120) ARC 0204

ARCH242 **Basic Architectural Drawing**

ARCH242 Basic Architectural Drawing; (3 credits) Grade Method: REG.
Prerequisite: ARCH170 or permission of department. Freshman standing. For ARCH majors only. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal Tu 8:00am - 8:50am Th 8:00am - 8:50am Th 10:30am - 12:20pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0102	Lester Escobal Tu 8:00am - 8:50am Th 8:00am - 8:50am Th 2:30pm - 4:30pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0103	Lester Escobal Tu 8:00am - 8:50am Th 8:00am - 8:50am F 9:00am - 10:50am	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0104	Lester Escobal Tu 8:00am - 8:50am Th 8:00am - 8:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0105	Lester Escobal Tu 8:00am - 8:50am Th 8:00am - 8:50am Th 12:30pm - 2:20pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab

ARCH386 **Experiential Learning**

ARCH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by faculty sponsor, and student's internship sponsor. Junior standing. Contact Lee Waldrep, Associate Dean, for course information.

Contact department for information to register for this course.

ARCH400 **Architecture Studio I**

ARCH400 *(PermReq)* **Architecture Studio I; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH majors only. Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Julie Kim MWF 2:00pm - 6:00pm *Section 0101 is recommended for 3 1/2 year graduate students only.*	Seats (Total: 12) Location: TBA
0102	Carl Lostritto, Courtney Miller MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA

ARCH402 **Architecture Studio III**

ARCH402 *(PermReq)* **Architecture Studio III; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401 with a grade of C or better. For ARCH majors only.
Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered fall only.

0101	Thomas Schumacher MWF 2:00pm - 6:00pm *Section 0101 is recommended for 3 1/2 year graduate students only.*	Seats (Total: 12) Location: TBA
0102	Brian Kelly MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA

ARCH410 **Architecture Technology I**

ARCH410 *(PermReq)* **Architecture Technology I; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH140 or MATH220; PHYS121 and (one of the following:BSCI205, GEOG140, GEOL120, GEOL123/AOSC123/METO123/GEOG123). Corequisite: ARCH400. For ARCH majors only. First course in a four course sequence which develops the knowledge and skills of architectural technology. Addresses climate, human responses to climate, available materials, topography and impact on culture. Principles of assembly, basic structural principles and philosophies of construction. Offered fall only.

0101	Carl Bovill TuTh 2:00pm - 3:50pm	Seats (Total: 80) ARC 0204

ARCH412 **Architecture Technology III**

ARCH412 *(PermReq)* **Architecture Technology III; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH411 with a grade of C or better. Corequisite: ARCH402. For ARCH majors only. Third course in a four-course sequence. Design of steel, timber, and reinforced concrete elements and subsystems; analysis of architectural building systems. Introduction to design for both natural and man-made hazards. Offered fall only.

0101	Deborah Oakley TuTh 10:30am - 12:20pm	Seats (Total: 68) ARC 0204

ARCH419 **Independent Studies in Architectural Technology**

ARCH419 *(PermReq)* **Independent Studies in Architectural Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for course information.

Contact department for information to register for this course.

ARCH423 **History of Roman Architecture**

ARCH423 History of Roman Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. Survey of Roman architecture from 500 B.C. To A.D. 325.

0101	Robert Vann	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ARC 1103

ARCH426 **Fundamentals of Architecture**

ARCH426 *(PermReq)* **Fundamentals of Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to 3 1/2 year M. ARCH program. For ARCH majors only. Thematic introduction of a variety of skills, issues, and ways of thinking that bear directly on the design and understanding of the built world. Offered fall only.

0101	Isabelle Gournay	Seats (Total: 15)
	TuTh 7:00pm - 8:15pm	ARC 1123

ARCH429 **Independent Studies in Architectural History**

ARCH429 *(PermReq)* **Independent Studies in Architectural History; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for course information.

Contact department for information to register for this course.

ARCH443 **Visual Communication For Architects**

ARCH443 Visual Communication For Architects; (3 credits) Grade Method: REG.
Prerequisite: Admission to the 3 1/2 year M. ARCH program. Corequisite: ARCH400. For ARCH majors only. Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Elijah Moore	Seats (Total: 20)
	MF 10:00am - 12:50pm	ARC 1101

ARCH449 **Independent Studies in Visual Studies for Architects**

ARCH449 *(PermReq)* **Independent Studies in Visual Studies for Architects; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for information. Majors only.

Contact department for information to register for this course.

ARCH459 **Independent Studies in Urban Planning**

ARCH459 *(PermReq)* **Independent Studies in Urban Planning; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for information.

Contact department for information to register for this course.

ARCH460 **Site Analysis and Design**

ARCH460 *(PermReq)* **Site Analysis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Mouzayan Al Khalil	Seats (Total: 25)	
	M 7:00pm - 10:00pm	ARC 1101	

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Introduction to computer utilization, with emphasis on architectural applications. ARCH majors only.

0101	Carl Lostritto	Seats (Total: 18)	
	Tu 7:00pm - 8:50pm	ARC 1127	
	Th 7:00pm - 8:50pm	ARC 1127	Lab

ARCH479 **Independent Studies in Architecture**

ARCH479 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for information.

Contact department for information to register for this course.

ARCH489 **Independent Studies in Architectural Preservation**

ARCH489 *(PermReq)* **Independent Studies in Architectural Preservation; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for information.

Contact department for information to register for this course.

ARCH600 **Comprehensive Design Studio V**

ARCH600 *(PermReq)* **Comprehensive Design Studio V; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 403 or equivalent. Corequisite: ARCH611. For ARCH majors only. Comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Isaac Williams	Seats (Total: 30)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH611 **Advanced Architecture Technology Seminar**

ARCH611 *(PermReq)* **Advanced Architecture Technology Seminar; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 413. Corequisite: ARCH 600. For ARCH majors only. Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings. Offered fall only.

0101	Carl Bovill TuTh 4:30pm - 6:30pm	Seats (Total: 15) ARC 1105	
0102	Deborah Oakley TuTh 4:30pm - 6:30pm	Seats (Total: 15) ARC 1103	

ARCH629 **Independent Studies in Architectural History**

ARCH629 Independent Studies in Architectural History; (3 credits) Grade Method: REG/AUD.

0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ARCH635 **Seminar in the History of Modern Architecture**

ARCH635 Seminar in the History of Modern Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 427 or permission of department. Advanced investigation of historical problems in modern architecture.

0101	Richard Etlin TuTh 9:00am - 10:15am	Seats (Total: 15) ARC 1127

ARCH674 **Seminar in Regionalism**

ARCH674 *(PermReq)* **Seminar in Regionalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600 or permission of department. Regional characterisitics of culture, climate, and landscape as determinants world architecture.

0101	William Bechhoefer M 11:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 10) ARC 1103 ARC 1103	 Discussion

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact department for course information. ARCH majors only.

Contact department for information to register for this course.

ARCH678D **Selected Topics in Architecture; Urban Dialogue**

ARCH678D *(PermReq)* **Selected Topics in Architecture: Urban Dialogue; (3 credits)** Grade Method: REG/AUD.

0101	Brooke Wortham-Galvin	Seats (Total: 15)
	W 9:45am - 12:30pm	ARC 1111

ARCH678E **Selected Topics in Architecture; History of Structure**

ARCH678E *(PermReq)* **Selected Topics in Architecture: History of Structure; (3 credits)** Grade Method: REG/AUD.

0101	Richard Etlin	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	ARC 1127

ARCH679 **Independent Studies in Architecture**

ARCH679 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Lee Waldrep, Associate Dean, for information. For ARCH majors only.

Contact department for information to register for this course.

ARCH700 **Advanced Urban Design Studio VII**

ARCH700 *(PermReq)* **Advanced Urban Design Studio VII; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 600 or permission of department. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell	Seats (Total: 12)	
	TuTh 2:00pm - 6:00pm	ARC 1127	
	TuTh 2:00pm - 7:00pm	ARC 0102	Lab

ARCH770 **Professional Practice**

ARCH770 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 601 or permission of department. For ARCH majors only. Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Albert Rubeling	Seats (Total: 30)
	F 11:00am - 1:50pm	ARC 1103

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 601. Directed research and preparation of thesis program.

0101	Brian Kelly	Seats (Total: 15)
	TuTh 10:30am - 12:30pm	ARC 1105

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG.

0101	Gary Bowden	Seats (Total: 15)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics — Fall 2008

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Darrell Hueth TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0110 SYM 0215	Discussion
0102	Darrell Hueth TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0110 SYM 0209	Discussion

AREC250 **Elements of Agricultural and Resource Economics**

AREC250 Elements of Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.

0101	John Horowitz TuTh 9:30am - 10:45am	Seats (Total: 70) ARM 0112	

AREC306 **Farm Management**

AREC306 Farm Management; (3 credits) Grade Method: REG/P-F/AUD.
The organization and operation of the farm business to obtain an income consistent with family resources and objectives. Principles of production economics and other related fields as applied to the individual farm business. There will be a mandatory field trip on Saturday, September 20th. Students must pay a $30 field trip fee.

0101	Dale Johnson	Seats (Total: 55)
	M 3:00pm - 5:45pm	SYM 0200

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Kenneth Leonard	Seats (Total: 260)
	MWF 12:00pm - 12:50pm	HJP 0226

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

1601	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC405 **Economics of Production**

AREC405 Economics of Production; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* The use and application of production economics in analysis of firm and policy decisions. Production functions, cost functions, multiple product and joint production, and production processes through time.

0101	Charles Towe	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	HZF 0106

AREC433 **Food and Agricultural Policy**

AREC433 Food and Agricultural Policy; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.

0101	Howard Leathers	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SYM 0215

AREC435 **Commodity Futures and Options**

AREC435 Commodity Futures and Options; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent; and BMGT230, ECON321 or equivalent. The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

0101	James Hanson	Seats (Total: 36)
	MW 11:00am - 12:15pm	KEY 0126

AREC453 **Natural Resources and Public Policy**

AREC453 Natural Resources and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Erik Lichtenberg	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SYM 0215

AREC455 **Economics of Land Use**

AREC455 Economics of Land Use; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.
Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	Loretta Lynch	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	SYM 0215	

AREC620 **Optimization in Agricultural and Resource Economics**

AREC620 Optimization in Agricultural and Resource Economics; (3 credits)
Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Prerequisite: differential calculus and one course in matrix or linear algebra.
Mathematical theory of optimization as it is used in agricultural and resource economics. Topics include necessary and sufficient conditions for nonlinear programming and related Kuhn-Tucker and saddle point theory, convexity and concavity, existence and uniqueness, duality and the envelope theorem, the discrete maximum principle, and control theory and dynamic optimization.

0101	Lars Olson	Seats (Total: 25)	
	Th 5:45pm - 8:15pm	SYM 0209	
	W 3:30pm - 5:00pm	HBK 0125	Discussion

AREC623 **Applied Econometrics I**

AREC623 Applied Econometrics I; (4 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week.
Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and computer applications in applied econometric problems.

0101	Richard Just, Anna Alberini	Seats (Total: 27)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 3121	Discussion

AREC625 **Economic Welfare Analysis**

AREC625 Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 825. Credit will be granted for only one of the following: AREC 625 or AREC 825. The measurement of economic well-being for producers, consumers, and resource owners. Topics include competitive equilibrium, Pareto optimality, market failure, public goods and nonmarket welfare measurement, multimarket considerations, existing distortions, and second best. Applications in economic welfare analysis of agricultural and resource policies are discussed. Also offered as AREC825.

0101	Kenneth McConnell	Seats (Total: 15)	
	TuTh 3:30pm - 5:00pm	JMZ 2207	

AREC689P **Special Topics in Agricultural and Resource Economics; Applications of Microeconomics to Environmental and Resource Issues**

AREC689P Special Topics in Agricultural and Resource Economics: Applications of Microeconomics to Environmental and Resource Issues; (3 credits) Grade Method: REG/AUD.

0101	Darrell Hueth	Seats (Total: 21)	
	TuTh 9:30am - 10:45am	ARM 0103	

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

AREC785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 and AREC 623 or permission of department. Also offered as ECON 785. Credit will be granted for only one of the following: AREC 785 or ECON 785. The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 20)
	MW 12:30pm - 1:45pm	SYM 0215

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC825 **Advanced Economic Welfare Analysis**

AREC825 Advanced Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 625. Credit will be granted for only one of the following: AREC 625 or AREC 825. Theory of economic welfare measurement, problems of path dependence in evaluating multiple price changes, welfare measurement under risk, general equilibrium welfare measurement with multiple distortions, and applications in evaluation of agricultural and resource policies. Also offered as AREC625.

0101	Kenneth McConnell	Seats (Total: 15)
	TuTh 3:30pm - 5:00pm	JMZ 2207

AREC846 **Development Microeconomics**

AREC846 Development Microeconomics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON603; and AREC623/AREC624; or equivalent. Formerly AREC869E.* Development economics with focus on issues applicable to rural development and agriculture in developing countries. Focuses on both theory and empirical application of theory.

0101	Kenneth Leonard	Seats (Total: 10)
	MW 9:00am - 10:15am	SYM 0209

AREC869J **Advanced Topics in Agricultural Economics; Introduction to Prospectus Writing I**

AREC869J Advanced Topics in Agricultural Economics: Introduction to Prospectus Writing I; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 15)
	M 2:00pm - 3:15pm	SYM 2200B

AREC869P **Advanced Topics in Agricultural Economics; Prospectus Development**

AREC869P *(PermReq)* **Advanced Topics in Agricultural Economics: Prospectus Development; (3 credits)** Grade Method: REG/AUD.

0101	Kenneth McConnell	Seats (Total: 15)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2008

ARHU105 **Honors Humanities First Semester Colloquium**

ARHU105 Honors Humanities First Semester Colloquium; (2 credits) Grade Method: REG.
Restricted to Honors Humanities entering freshmen only. Reading and discussion of the personal and social value of higher education with special attention to Arts and Humanities

0101	Peter Mallios Tu 4:00pm - 5:40pm	Seats (Total: 30) ASY 3211
0102	Peter Mallios W 4:00pm - 5:40pm	Seats (Total: 30) QAN 0108

ARHU205 **Second Year Seminar in Honors Humanities**

ARHU205 Second Year Seminar in Honors Humanities; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Admission to Honors Humanities Program. Recommended: ARHU105 and ARHU106. Sophomore standing. Credit will be granted for only one of the following: ARHU218A or ARHU205. Formerly ARHU218A. Seminar on basic issues and methodologies in the humanities and arts.

0101	Patrick Grzanka MW 5:00pm - 6:15pm	Seats (Total: 50) KEY 1117
0201	Justin Maher TuTh 5:00pm - 6:15pm	Seats (Total: 40) SQH 1101

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. On-campus internships cannot be taken for credit through ARHU 286 ("on-campus" includes both the University of Maryland and other college campuses). For ARHU majors only. Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 10)

ARHU299T **Studies in Humanities Technology; Tech Apprentice Program**

ARHU299T Studies in Humanities Technology: Tech Apprentice Program; (3 credits) Grade Method: REG/P-F/AUD.

0101	Deborah Mateik, Mike Landavere, Jun Yang F 1:00pm - 3:30pm	Seats (Total: 7) PLS 1129
0201	Deborah Mateik, Jun Yang F 1:00pm - 3:30pm *Technical skills and pedagogical basics needed to support faculty uses of technology in the classroom. Web publishing, academic website development, electronic presentation tools, electronic discussion group facilitation, and creating/using digitized media. Please contact Jen Patterson for more information at jlp@umd.edu.*	Seats (Total: 8) PLS 1129

ARHU318 **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318 *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt at jmschmid@umd.edu

0101	Johnna Schmidt W 4:00pm - 5:30pm	Seats (Total: 20) DOR 0121
0201	Zein El-Amine W 7:00pm - 8:30pm	Seats (Total: 20) DOR 0121

ARHU319 **Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

ARHU319 *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; (3 credits)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt jmschmid@umd.edu.

0101	Vivianne Salgado M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0113
0201	Gerald Maa M 5:00pm - 7:30pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

ARHU328 **Internship in Honors Humanities**

ARHU328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG.
For Honors Humanities Students only.

0101	Patrick Grzanka Contact instructor or department for details.	Seats (Total: 5)

ARHU329 **Undergraduate Teaching Assistantship in Honors Humanities**

ARHU329 Undergraduate Teaching Assistantship in Honors Humanities; (1-3 credits) Grade Method: REG.
For Honors Humanities students only.

0101	Patrick Grzanka Contact instructor or department for details.	Seats (Total: 3)

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 10)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of the college. Junior standing.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 10)

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

ARHU468A *(PermReq)* **Peer Mentoring Program: Arts and Humanities' Ambassador Program; (1 credit)** Grade Method: REG.
Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	Megan Cleaver M 3:00pm - 5:00pm	Seats (Total: 20) KEY 0121	

ARMY Army Fall 2008

ARMY101 **Basic Military Science I**

ARMY101 Basic Military Science I; (1 credit) Grade Method: REG.
An exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie. Hands on experience in managerial operations and military techniques. Applied military customs and techniques through physical and mental training.

0101	Ranelle Manaois W 1:00pm - 1:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 30) COL 0113 Location: TBA Location: TBA	 Lab Lab
0102	Ranelle Manaois W 9:00am - 9:50am Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 10) COL 0113 Location: TBA Location: TBA	 Lab Lab
0103	Ranelle Manaois Tu 2:30pm - 3:20pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 20) COL 0113 Location: TBA Location: TBA	 Lab Lab

ARMY103 **Basic Army Physical Fitness**

ARMY103 Basic Army Physical Fitness; (2 credits) Grade Method: REG/P-F/AUD. *Recommended: ARMY101. Freshman standing.* This course allows beginners to learn the basic Army Physical Fitness program. Through a series of rigorous progressive workouts, the student advances from novice status to meet the requirements of the Army Physical Fitness Test. Course content also introduces students to Army managerial skills and basic military tactics and techniques.

0101	Ranelle Manaois Contact instructor or department for details.	Seats (Total: 50)	

ARMY201 **Army Leadership Development**

ARMY201 Army Leadership Development; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0101	Liam Kingdon W 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 30) COL 0113 Location: TBA Location: TBA	 Lab Lab
0102	Liam Kingdon Th 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 20) COL 0113 Location: TBA Location: TBA	 Lab Lab

ARMY301 **Advanced Military Leadership I**

ARMY301 Advanced Military Leadership I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of Army ROTC. Junior standing. Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Terrence McCall	Seats (Total: 35)	
	Tu 3:30pm - 6:15pm	COL 0113	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY401 **Advanced Military Leadership III**

ARMY401 Advanced Military Leadership III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of Army ROTC. Senior standing. Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Ranelle Manaois	Seats (Total: 25)	
	Tu 3:30pm - 6:15pm	COL 0101	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab
0102	Ranelle Manaois	Seats (Total: 10)	
	Contact instructor or department for details.	Location: TBA	Lab
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am		

ARSC Air Science Fall 2008

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Egan Hadsell	Seats (Total: 200)	
	Th 7:00am - 8:50am	Location: TBA	Lab
0102	Egan Hadsell	Seats (Total: 20)	
	Th 6:00am - 7:50am	Location: TBA	Lab

ARSC100 **The USAF Today I**

ARSC100 The USAF Today I; (1 credit) Grade Method: REG.
Freshmen course for AFROTC cadets. Study of topics relating to the Air Force and defense. Focuses on organizational structure and missions of the Air Force; officership; and an introduction to both written and oral communication skills. Open to all university students. AFROTC cadets must also register for ARSC059. An elective but required for freshmen desiring the four-year AFROTC program.

0101	Tina Carlsen Tu 10:00am - 10:50am	Seats (Total: 40) COL 2126
0102	Tina Carlsen Th 10:00am - 10:50am	Seats (Total: 60) COL 3109
0103	Tina Carlsen Th 1:00pm - 1:50pm	Seats (Total: 40) COL 2126

ARSC200 **The Development of Air Power I**

ARSC200 The Development of Air Power I; (1 credit) Grade Method: REG/P-F/AUD.
Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. Open to all university students. AFROTC cadets must also register for ARSC059. An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

0101	Robert Pecoraro Th 11:00am - 11:50am	Seats (Total: 60) COL 3109
0102	Robert Pecoraro Th 12:00pm - 12:50pm	Seats (Total: 40) COL 3109
0103	Robert Pecoraro Tu 9:00am - 9:50am	Seats (Total: 40) COL 2126

ARSC210 **Field Training**

ARSC210 *(PermReq)* **Field Training; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AFROTC cadets with permission of department. Sophomore standing. Designed to train Air Force officer candidates in the skills of leadership, teamwork, officership, and the profession of arms. Successful completion is mandatory for all candidates in order to complete the AFROTC program and attain an Air Force commission.

0101	Egan Hadsell	Seats (Total: 35)
	Contact instructor or department for details.	

ARSC300 **Management and Leadership I**

ARSC300 *(PermReq)* **Management and Leadership I; (3 credits)** Grade Method: REG.
Corequisite: ARSC059 or permission of department. Junior standing. Credit will be granted for only one of the following: ARSC300 or ARSC310. Formerly ARSC310. The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations.

0101	Egan Hadsell	Seats (Total: 40)
	Th 10:00am - 1:00pm	COL 3112
0201	Egan Hadsell	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	COL 3109

ARSC400 **National Security Forces in Contemporary American Society I**

ARSC400 *(PermReq)* **National Security Forces in Contemporary American Society I; (3 credits)** Grade Method: REG.
Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department. Senior standing. Credit will be granted for only one of the following: ARSC320 or ARSC400. Formerly ARSC320. Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues.

0101	William Zutt	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	COL 2126

0201	William Zutt Th 10:00am - 1:00pm	Seats (Total: 40) COL 2126	

ARTH Art History & Archaeology Fall 2008

ARTH200 **Art of the Western World to 1300**

ARTH200 Art of the Western World to 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0101	Marjorie Venit TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Marjorie Venit TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0103	Marjorie Venit TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0104	Marjorie Venit TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0105	Marjorie Venit TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0106	Marjorie Venit TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH201 **Art of the Western World after 1300**

ARTH201 Art of the Western World after 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from the Renaissance to the present.

0101	June Hargrove MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0102	June Hargrove MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0103	June Hargrove MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	June Hargrove MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0105	June Hargrove MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0106	June Hargrove MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
FC01	Amelia Kahl Avdic TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) ASY 3211	

ARTH250 **Art and Archaeology of Ancient America**

ARTH250 Art and Archaeology of Ancient America; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

Art and archaeology of ancient Mesoamerica from 500 B.C. to 1500 A.D.

0101	Juliet Wiersema TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion

0102	Juliet Wiersema TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3221	Discussion
0103	Juliet Wiersema TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3221	Discussion
0104	Juliet Wiersema TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0105	Juliet Wiersema TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3221	Discussion
0106	Juliet Wiersema TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH275 **Art and Archaeology of Africa**

ARTH275 Art and Archaeology of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Appreciation of the art of African cultures. A survey of African culture through painting, sculpture, and architecture from prehistoric times to the present.

0101	Renee Ater MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3221	Discussion
0102	Renee Ater MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0103	Renee Ater MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion

0104	Renee Ater MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0105	Renee Ater MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0106	Renee Ater MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion

ARTH290 **Art of Asia**

ARTH290 Art of Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
South and East Asian art from prehistory through the mid-19th century.

0101	Yui Suzuki MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Yui Suzuki MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0103	Yui Suzuki MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	Yui Suzuki MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0105	Yui Suzuki MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0106	Yui Suzuki MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH313 **Early Medieval Art**

ARTH313 Early Medieval Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH410. Painting, sculpture and architecture in Western Europe, ca. 500-1150.

0101	Lauree Sails	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3215

ARTH320 **Fourteenth and Fifteenth-Century Northern European Art**

ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH420. The art of northern Europe with an emphasis on painting in the Netherlands and France.

0101	Louise Martinez	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3215

ARTH323 **Fifteenth-Century Italian Renaissance Art**

ARTH323 Fifteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH415. Painting, sculpture, architecture, and the decorative arts of the fifteenth century in Italy.

0101	Meredith Gill	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH430. Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0101	Anthony Colantuono	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3215

ARTH335 **Seventeenth-Century Art in the Netherlands**

ARTH335 Seventeenth-Century Art in the Netherlands; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH435. Painting, sculpture and architecture in seventeenth-century Netherlands.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 30) ASY 3211

ARTH351 **Twentieth Century Art from 1945**

ARTH351 Twentieth Century Art from 1945; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH456. Painting, sculpture, and architecture in Europe and America from 1945 to the present.

0101	Joshua Shannon TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3211

ARTH376 **Living Art of Africa**

ARTH376 Living Art of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly ARTH476. Art styles among the segmentary, centralized, and nomadic people of Africa. The iconography and function of their art and its relationship to their various societies, cults and ceremonies.

0101	Shannen Hill TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH384 **Art of Japan**

ARTH384 Art of Japan; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly ARTH395. A chronological survey of Japanese painting, sculpture, architecture, and the applied arts.

0101	Alicia Volk TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3215

ARTH386 **Experiential Learning**

ARTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Individual instruction course: contact department or instructor to obtai n section number. Prerequisite: permission of department. Junior standin g.

Contact department for information to register for this course.

ARTH389A **Special Topics in Art History and Archaeology; Western Film and the Vision of the West**

ARTH389A Special Topics in Art History and Archaeology: Western Film and the Vision of the West; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf	Seats (Total: 25)
	W 3:30pm - 7:00pm	Location: TBA
	Section will meet in Hornbake Non-Print Media, Room J.	

ARTH389K **Special Topics in Art History and Archaeology; Arts of Korea**

ARTH389K Special Topics in Art History and Archaeology: Arts of Korea; (3 credits) Grade Method: REG/P-F/AUD.

0101	Seojeong Shin	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3211

ARTH389N **Special Topics in Art History and Archaeology; Rembrandt's Amsterdam and the Dutch Golden Age**

ARTH389N Special Topics in Art History and Archaeology: Rembrandt's Amsterdam and the Dutch Golden Age; (3 credits) Grade Method: REG/P-F/AUD. An exploration of the importance of both Amsterdam and Rembrandt to the development of thought, practice and arts in later Western society.

0101	Henry Gregory	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	ASY 3215

ARTH488B **Colloquium in Art History; Japanese Art since 1945**

ARTH488B Colloquium in Art History: Japanese Art since 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alicia Volk	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488G **Colloquium in Art History; Seventeeth-Century Italian Sculpture: From Theory to Practice**

ARTH488G Colloquium in Art History: Seventeeth-Century Italian Sculpture: From Theory to Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Anthony Colantuono	Seats (Total: 10)
	TuTh 9:30am - 10:45am	ASY 4304

ARTH488H **Colloquium in Art History; Royalty and Religion in Sixteenth-Century English Art**

ARTH488H Colloquium in Art History: Royalty and Religion in Sixteenth-Century English Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Louise Martinez	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH489F **Special Topics in Art History; Modern Chinese Film and Visual Culture**

ARTH489F Special Topics in Art History: Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	HBK 0302J

ARTH489H **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 Directed Studies in Art History I; (2-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH619 **Studies in Italian Renaissance Art**

ARTH619 *(PermReq)* **Studies in Italian Renaissance Art; (3 credits)** Grade Method: REG/AUD.

0101	Meredith Gill	Seats (Total: 6)
	Th 12:00pm - 2:40pm	ASY 4304

ARTH658 **Studies in American Art**

ARTH658 *(PermReq)* **Studies in American Art; (3 credits)** Grade Method: REG/AUD.
For all non-art history and archaeology majors, permission of the instructor is required.

0101	Renee Ater	Seats (Total: 6)
	W 3:00pm - 5:40pm	ASY 4304

ARTH692 **Methods of Art History**

ARTH692 *(PermReq)* **Methods of Art History; (3 credits)** Grade Method: REG/AUD. Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools. For all non-Art History and Archaeology majors, permission of the department is required.

0101	Joshua Shannon	Seats (Total: 6)
	Tu 3:00pm - 5:40pm	ASY 4304

ARTH708 **Seminar in Ancient Art and Archaeology**

ARTH708 *(PermReq)* **Seminar in Ancient Art and Archaeology; (3 credits)** Grade Method: REG/AUD.
For all non-art history and archaeology majors, permission of the instru ctor is required.

0101	Marjorie Venit Tu 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH749 **Seminar in Nineteenth-Century European Art**

ARTH749 *(PermReq)* **Seminar in Nineteenth-Century European Art; (3 credits)** Grade Method: REG/AUD.

0101	June Hargrove M 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH778 **Seminar in Chinese Art**

ARTH778 *(PermReq)* **Seminar in Chinese Art; (3 credits)** Grade Method: REG/AUD.

0101	Jason Kuo F 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH779 **Seminar in Japanese Art**

ARTH779 *(PermReq)* **Seminar in Japanese Art; (3 credits)** Grade Method: REG/AUD.

0101	Yui Suzuki M 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Fall 2008

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ARTT100, ARTS100, DESN101, or APDS101. Formerly ARTS100. Principles and elements of two-dimensional design. Introduction to visual communication. There is a special fee of $40.00 required for this course.

0101	Francis Rehak MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	 Lab
0201	Francis Rehak MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	 Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		

0301	James Thorpe	Seats (Total: 18)	
	TuTh 12:30pm - 3:00pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0401	James Thorpe	Seats (Total: 18)	
	TuTh 12:30pm - 3:00pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0501	Guita Vafai	Seats (Total: 18)	
	TuTh 3:00pm - 5:30pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0601	Guita Vafai	Seats (Total: 18)	
	TuTh 3:00pm - 5:30pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0701	Leslie Berns	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0801	Leslie Berns	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
0901	Timothy Horjus	Seats (Total: 18)	
	MW 3:00pm - 5:30pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		
1001	Timothy Horjus	Seats (Total: 18)	
	MW 3:00pm - 5:30pm	ASY 2318	Lab
	Dept (Frank Rehak) requested to hold 2 seats in each section for the Design & Marketing Fellows in the collaborative program between Art and Smith Business.		

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. There is a special fee of $40.00 required for this course.

0101	Timothy Horjus MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Timothy Horjus MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Patrick Burns TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2317	Lab
0401	Patrick Burns TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2321	Lab
0501	Jeremy Flick TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0701	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
0801	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0901	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
1001	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab

ARTT110S **Elements of Drawing I**

ARTT110S Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Restricted to College Park Scholars - Arts.

0601	Jeremy Flick TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ARC 1103	Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Th 2:30pm - 3:20pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 JMZ 0120	Discussion
FC01	Rex Weil TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) JMZ 2206	

FC02	Leslie Berns MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 14) JMZ 1117	

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit will be granted for only one of the following: ARTT200, ARTS200, DESN102, or APDS102. Formerly ARTS200.
Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. There is a special fee of $40.00 required for this course.

0101	Steven Jones TuTh 4:00pm - 6:30pm	Seats (Total: 18) ASY 1314	Lab
0201	Steven Jones TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 1311	Lab
0301	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	Lab
0401	Beverly Ress MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	Lab

ARTT208C **Intermediate Special Topics in Art; Experimentation in Watercolor**

ARTT208C Intermediate Special Topics in Art: Experimentation in Watercolor; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Tadeusz Lapinski TuTh 9:00am - 11:30am	Seats (Total: 20) ASY 2318	Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110. Formerly ARTS210.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. There is a special fee of $40.00 required for this course.

0101	Patrick Burns TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 2315	Lab
0201	Edward Bisese MW 3:00pm - 5:30pm	Seats (Total: 20) ASY 2315	Lab
0301	Jeffrey Pinder MW 9:00am - 11:30am	Seats (Total: 20) ASY 2315	Lab
0401	Ellington Robinson TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 2321	Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320.* Concepts and fundamental processes of oil and/or acrylic painting. There is a special fee of $40.00 required for this course.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3322	Lab
0201	Richard Klank MW 9:00am - 11:30am	Seats (Total: 13) ASY 3318	Lab
0301	Emily Conover MW 3:00pm - 5:30pm *Section 0301 focuses on acrylic paint.*	Seats (Total: 20) ASY 3312	Lab

ARTT320H **Elements of Painting**

ARTT320H *(PermReq)* **Elements of Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320. Restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	William Richardson	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 3322	Lab
0201	Richard Klank	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 3318	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Sculptural concepts and fundamental processes related to metal casting. There is a special fee of $40.00 required for this course.

0101	Steven Jones	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. There is a special fee of $40.00 required for this course.

0101	Steven Jones	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. There is a special fee of $40.00 required for this course.

0101	John McCarty	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT331H **Elements of Sculpture: Steel**

ARTT331H *(PermReq)* **Elements of Sculpture: Steel; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. This course is restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	John McCarty	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. There is a special fee of $40.00 required for this course.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. This course is restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS340. Concepts and fundamental processes related to etching, aquatint, and drypoint.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Concepts and fundamental processes related to silkscreen printing. There is a special fee of $40.00 required for this course.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. This course is restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. There is a special fee of $40.00 required for this course.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. There is a special fee of $40.00 required for this course.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT350 **Elements of Design**

ARTT350 *(PermReq)* **Elements of Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT200, and ARTT210; and permission of department through portfolio review. Not open to students who have completed ARTT250. Credit will be granted for only one of the following: ARTT350 or ARTT250. Formerly ARTT250. Investigation of basic design principles and methods. Introduction to basic typography, layout, illustration, exhibit design, and product/package design. There is a special fee of $40.00 required for this course.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 Elements of Graphic Design and Illustration; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Credit will be granted for only one of the following: ARTT350 or ARTT250. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. There is a special fee of $40.00 required for this course.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2314	Lab

ARTT352 **Three Dimensional Graphics**

ARTT352 Three Dimensional Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Certain classes will meet in the woodshop ASY 1311. There is a special fee of $40.00 required for this course.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2322	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. There is a special fee of $40.00 required for this course.

0101	Barbara Tyroler	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Introduction to computer graphics, imaging, illustration and mixed media. There is a special fee of $40.00 required for this course.

0101	Narendra Ratnapala MW 10:00am - 12:30pm	Seats (Total: 12) CSS 1410	Lab
0201	Narendra Ratnapala MW 10:00am - 12:30pm	Seats (Total: 12) CSS 1410	Lab
0301	Brandon Morse TuTh 12:30pm - 3:00pm	Seats (Total: 14) ASY 3311	Lab
0401	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab
0501	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT388 **Issues in Teaching Art in Higher Education**

ARTT388 *(PermReq)* **Issues in Teaching Art in Higher Education; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques in Drawing**

ARTT418A Advanced Drawing Studio: Experimental Techniques in Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. There is a special fee of $40.00 for this course.

0101	Emily Conover	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2315	Lab

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

ARTT418B Advanced Drawing Studio: A Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. There is a special fee of $40.00 required for this course.

0101	William Richardson	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2315	Lab
0201	Marc Boone	Seats (Total: 20)	
	MW 3:00pm - 5:30pm	ASY 2317	Lab
0301	Marc Boone	Seats (Total: 20)	
	TuTh 3:00pm - 5:30pm	ASY 2315	Lab

ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Drawing: A Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 2) ASY 2315	Lab
0201	Marc Boone MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 2317	Lab
0301	Marc Boone TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2315	Lab

ARTT428 **Advanced Painting Studio; Painting**

ARTT428 Advanced Painting Studio: Painting; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 20) ASY 3312	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3322	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3312	Lab

ARTT428H **Advanced Painting Studio; Honors Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 2) ASY 3312	Lab

0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3312	Lab

ARTT438C **Advanced Sculpture Studio; Steel Sculpture**

ARTT438C Advanced Sculpture Studio: Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 331 or permission of instructor. There is a special fee of $40.00 required for this course.

0101	John McCarty TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1311	

ARTT438H **Advanced Sculpture Studio; Honors Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. There is a special fee of $40.00 required for this course.

0101	John McCarty TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 1314	
0201	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1311	
0301	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1314	

ARTT438I **Advanced Sculpture Studio; Metal Casting**

ARTT438I Advanced Sculpture Studio: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of instructor. There is a special fee of $40.00 required for this course.

0101	Steven Jones	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Screen Printing**

ARTT448A Advanced Printmaking Studio: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343. There is a special fee of $40.00 required for this course.

0101	Justin Strom	Seats (Total: 4)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Lithography**

ARTT448B Advanced Printmaking Studio: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 344 or permission of instructor. There is a special fee of $40.00 required for this course.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Wet Darkroom Techniques**

ARTT449A Advanced Photography Studio: Black and White Photography and Wet Darkroom Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of instructor. There is a special fee of $40.00 required for the course.

0101	Barbara Tyroler	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT449B **Advanced Photography Studio; Digital Photography and Inkjet Printmaking Techniques**

ARTT449B Advanced Photography Studio: Digital Photography and Inkjet Printmaking Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of instructor. There is a special fee of $40.00 for this course.

0101	Barbara Tyroler	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT458 **Graphic Design**

ARTT458 Graphic Design; (3 credits) Grade Method: REG.
Prerequisite: ARTT 350 and 351. There is a special fee of $40.00 required for this course.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 12:30pm - 3:00pm	ASY 2322	Lab

ARTT468B **Seminar on the Interrelationship Between Art and Art Theory; Issues in Contemporary Art**

ARTT468B Seminar on the Interrelationship between Art and Art Theory: Issues in Contemporary Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Klank	Seats (Total: 15)	
	MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	ASY 2309 ASY 3215	Discussion

ARTT480H **Honors Seminar**

ARTT480H *(PermReq)* **Honors Seminar; (3 credits)** Grade Method: REG.
Prerequisites: Acceptance into Department Honors Program, completion of ARTT300 - 400H and 418H electives, and permission of department. Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art.

0101	Patrice Kehoe	Seats (Total: 20)	
	F 10:00am - 1:00pm	Location: TBA	

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship between Discourse and Practice**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship between Discourse and Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine	Seats (Total: 15)	
	Tu 4:00pm - 6:30pm	ASY 3219	

ARTT489B **Advanced Special Topics in Art; Design in Marketing**

ARTT489B Advanced Special Topics in Art: Design in Marketing; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Harms	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	VMH 1336	

ARTT489C **Advanced Special Topics in Art; Contemporary Art - Theory, Markets and Collecting**

ARTT489C Advanced Special Topics in Art: Contemporary Art - Theory, Markets and Collecting; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rex Weil	Seats (Total: 20)	
	Th 11:30am - 2:00pm	ASY 2314	

ARTT489E **Advanced Special Topics in Art; Experimentation in Digitally Enhanced Printmaking Processes**

ARTT489E Advanced Special Topics in Art: Experimentation in Digitally Enhanced Printmaking Processes; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course. Prerequisite: a course in printmaking.

0101	Justin Strom	Seats (Total: 14)	
	TuTh 9:00am - 11:30am	ASY 1317	Lab

ARTT489F **Advanced Special Topics in Art; Digital Photograhy**

ARTT489F Advanced Special Topics in Art: Digital Photograhy; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Barbara Tyroler	Seats (Total: 10)	
	MW 12:30pm - 3:00pm	CSS 1410	
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab
0201	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT489L **Advanced Special Topics in Art; Design Literacy: Decoding Our Visual Culture**

ARTT489L Advanced Special Topics in Art: Design Literacy: Decoding Our Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Junior standing or permission of the instructor.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 10:00am - 11:15am	ASY 2322	

ARTT489P **Advanced Special Topics in Art; ART IN PUBLIC**

ARTT489P *(PermReq)* **Advanced Special Topics in Art: ART IN PUBLIC; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1311	

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $40.00 required for this course.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $40.00 required for this course.

Contact department for information to register for this course.

ARTT498C **Directed Studies in Studio Art; Citation Capstone Course**

ARTT498C *(PermReq)* **Directed Studies in Studio Art: Citation Capstone Course; (1 credit)** Grade Method: REG/P-F/AUD.
There is a special fee of $40.00 required for this course.

0101	Brandon Morse	Seats (Total: 10)
	Contact instructor or department for details.	

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $40.00 required for this course.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. There is a special fee of $60.00 required for this course.

0101	Kriston Capps	Seats (Total: 20)
	Contact instructor or department for details.	

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a special fee of $60.00 required for this course.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Fall 2008

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. CORE Physical Science Lab (PL) Course when taken concurrently with ASTR 111. CORE Physical Science (PS) Course when taken alone. Discussion sections do not meet the first week. Attend lecture before coming to discussion section.

0101	Stacy McGaugh TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Stacy McGaugh TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0103	Stacy McGaugh TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0104	Stacy McGaugh TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0105	Stacy McGaugh TuTh 9:30am - 10:45am Th 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0106	Stacy McGaugh TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0107	Stacy McGaugh TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0206	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0207	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and observing sessions if weather permits. Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

0101	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 9:00am - 9:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 2:00pm - 4:00pm W 9:00am - 9:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Tu 3:30pm - 5:30pm Tu 1:00pm - 1:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 1:00pm - 1:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Tu 6:00pm - 8:00pm Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 11:00am - 1:00pm Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0109	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 8:30am - 10:30am	CSS 1109	Lab
	W 11:00am - 11:50am	CSS 2400	Discussion
0110	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 3:30pm - 5:30pm	CSS 1109	Lab
	W 11:00am - 11:50am	CSS 2400	Discussion

ASTR120 **Introductory Astrophysics - Solar System**

ASTR120 Introductory Astrophysics - Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH115. Not open to students who have completed ASTR100 or ASTR101. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Christopher Reynolds	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2428	
	F 2:00pm - 2:50pm	CSS 2428	Discussion

ASTR220 **Collisions in Space**

ASTR220 Collisions in Space; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Application of scientific method to the study of collisions in space. Impact cratering on planets and satellites. Possible implications for the Earth. Interactions between stars and galaxies. Possible effects due to supermassive black holes. Events like the 1994 comet crash on Jupiter and data from the Hubble Space Telescope will be highlighted.

0101	Rob Olling	Seats (Total: 50)	
	TuTh 2:00pm - 3:15pm	CSS 2400	

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students wishing to enroll in this course.

Contact department for information to register for this course.

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes. Designed primarily for non-physical science majors. Junior standing.

0101	Melissa Hayes-Gehrke	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2428

ASTR310 **Observational Astronomy**

ASTR310 Observational Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121; PHYS171 or PHYS161; or permission of department. For ASTR majors only.* Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCS camera. Some nighttime observing sessions.

0101	Alberto Bolatto	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 2428

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Derek Richardson TuTh 12:30pm - 1:45pm	Seats (Total: 50) CSS 2428

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of the CORE Distributive Studies requirement in Mathematics and the Sciences or permission of department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Massimo Ricotti TuTh 11:00am - 12:15pm	Seats (Total: 50) CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department. Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Michael Miller TuTh 9:30am - 10:45am	Seats (Total: 50) CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR498N **Special Problems in Astronomy; Stellar Structure and Evolution**

ASTR498N Special Problems in Astronomy: Stellar Structure and Evolution; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Harrington	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	CSS 2428

ASTR601 **Radiative Processes**

ASTR601 *(PermReq)* **Radiative Processes; (3 credits)** Grade Method: REG/AUD. *Prerequisite: permission of department.* Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Eve Ostriker	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR610 **Astronomical Instrumentation and Techniques**

ASTR610 Astronomical Instrumentation and Techniques; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Review of Maxwell's equations; designs of telescopes, spectrographs, modern detectors; basic concepts for radio detectors and telescopes; interferometry and data processing.

0101	Andrew Harris	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR688P **Special Topics in Modern Astronomy; Planetary Science**

ASTR688P Special Topics in Modern Astronomy: Planetary Science; (3 credits) Grade Method: REG/AUD.

0101	Michael A'Hearn	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Michael Miller	Seats (Total: 20)
	M 5:00pm - 6:00pm	CSS 0201

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR788 **Selected Topics in Modern Astronomy**

ASTR788 *(PermReq)* **Selected Topics in Modern Astronomy; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Fall 2008

BCHM461 **Biochemistry I**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463.* First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Ashton Cropp TuTh 9:30am - 10:45am	Seats (Total: 124) EGR 1202
0103	Barbara Gerratana TuTh 12:30pm - 1:45pm	Seats (Total: 110) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463.* A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 9:30am - 10:45am	Seats (Total: 95) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Soheila Ebrahimian MWF 11:00am - 11:50am	Seats (Total: 110) CHM 1402
0102	J Hansen TuTh 11:00am - 12:15pm	Seats (Total: 105) CHM 1407
SEF1	Hoshing Chang M 6:30pm - 9:30pm	Seats (Total: 35) BPS 1250
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.	

SG91	Thomas Stanton MWF 9:30am - 10:20am	Seats (Total: 50) SGII 3052	
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 Laboratory Materials fee.

0101	Soheila Ebrahimian Th 12:30pm - 5:30pm Tu 12:30pm - 1:20pm	Seats (Total: 18) CHM 2225 CHM 1224	 Lab Discussion
0102	Soheila Ebrahimian W 1:00pm - 6:00pm Tu 12:30pm - 1:20pm	Seats (Total: 18) CHM 2225 CHM 1224	 Lab Discussion

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM464. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Jason Kahn TuTh 8:00am - 9:15am	Seats (Total: 80) CHM 1402	

BCHM669A **Special Topics in Biochemistry; Methods for Protein Structure Determination**

BCHM669A Special Topics in Biochemistry: Methods for Protein Structure Determination; (3 credits) Grade Method: REG/AUD.

0101	Vitali Tugarinov	Seats (Total: 10)
	MWF 10:00am - 10:50am	BIO 2118

BCHM671 **Protein Chemistry and Enzymic Catalysis**

BCHM671 Protein Chemistry and Enzymic Catalysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM 416 or equivalent. Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	Nicole LaRonde	Seats (Total: 40)
	TuTh 9:30am - 10:50am	BSB 2118
	Section will meet in the Agricultural/Life Sciences Surge building, roo 2118.	

BCHM674 **Nucleic Acids**

BCHM674 Nucleic Acids; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI 410 or equivalent. Chemistry of nucleotides and polynucleotides, sequencing and organization of genomes, experimental methods. DNA replication, repair, and recombination. RNA synthesis and processing, regulation of gene expression.

0101	Douglas Julin	Seats (Total: 40)
	TuTh 8:00am - 9:15am	CHM 1224

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM699A **Special Problems in Biochemistry**

BCHM699A Special Problems in Biochemistry; (3 credits) Grade Method: REG/AUD.

0101	Vitali Tugarinov	Seats (Total: 5)
	MWF 10:00am - 10:50am	BIO 2118

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1 credit) Grade Method: REG/AUD.

0101	Catherine Fenselau	Seats (Total: 40)
	Tu 11:00am - 11:50am	Location: TBA

BCHM889C **Seminar; Allostery in DNA Binding**

BCHM889C *(PermReq)* **Seminar: Allostery in DNA Binding; (1 credit)** Grade Method: REG/AUD.

0101	Dorothy Beckett	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Douglas Julin	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889E **Seminar; Biological Mass Spectrometry**

BCHM889E *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

0101	Catherine Fenselau	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889F **Seminar; Antimicrobial Peptides**

BCHM889F *(PermReq)* **Seminar: Antimicrobial Peptides; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889J **Seminar; Nucleic Acid Structures**

BCHM889J *(PermReq)* **Seminar: Nucleic Acid Structures; (1 credit)** Grade Method: REG/AUD.

0101	Jason Kahn	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM889P **Seminar; Structure and Reactivity of Biopolymers**

BCHM889P *(PermReq)* **Seminar: Structure and Reactivity of Biopolymers; (1 credit)** Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Fall 2008

BEES608A **Seminar in Behavior, Ecology, Evolution and Systematics; Introduction to BEES**

BEES608A Seminar in Behavior, Ecology, Evolution and Systematics: Introduction to BEES; (1 credit) Grade Method: REG/AUD.

0101	Michele Dudash	Seats (Total: 20)
	M 2:00pm - 3:30pm	BPS 1208

BEES608B **Seminar in Behavior, Ecology, Evolution and Systematics; Readings in Social Organization and Behavioral**

BEES608B Seminar in Behavior, Ecology, Evolution and Systematics: Readings in Social Organization and Behavioral; (1 credit) Grade Method: REG/AUD.

0101	Katerina Thompson	Seats (Total: 10)
	Contact instructor or department for details.	

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Fall 2008

BIOE120 **Biology for Engineers**

BIOE120 Biology for Engineers; (3 credits) Grade Method: REG/P-F/AUD.
For BIOE majors only. A combination of lectures and discussions covering biology from a utilization perspective, and lectures on illustrative mathematical models that capture the essences of characteristics of living entities. The biology material will focus on: distinguishing engineering from biological science, principles form the sciences applicable to biology, typical biological responses to environmental stimuli, scaling of biological responses, and different means to utilize living entities.

0101	Arthur Johnson, Sameer Shah TuTh 9:30am - 10:45am	Seats (Total: 110) BPS 1243	

BIOE121 **Biology for Engineers Laboratory**

BIOE121 Biology for Engineers Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Jose Aranda-Espinoza M 8:00am - 9:15am W 8:00am - 9:30am	Seats (Total: 25) KEB 1110 CHE 1145	 Lab
0102	Jose Aranda-Espinoza M 8:00am - 9:15am W 3:00pm - 4:30pm	Seats (Total: 25) KEB 1110 CHE 1145	 Lab

0103	Jose Aranda-Espinoza M 8:00am - 9:15am F 8:00am - 9:30am	Seats (Total: 25) KEB 1110 CHE 1145	 Lab
0104	Jose Aranda-Espinoza M 8:00am - 9:15am F 3:00pm - 4:30pm	Seats (Total: 25) KEB 1110 CHE 1145	 Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
For BIOE majors only. All other majors require department permission. Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller W 2:00pm - 4:30pm	Seats (Total: 20) EGR 0110	

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 Modeling Physiological Systems and Lab; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120 and BIOE121. Credit will be granted for only one of the following: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	John Fisher TuTh 3:30pm - 4:45pm Th 4:45pm - 6:30pm	Seats (Total: 53) KEB 1110 Location: TBA	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department.

Contact department for information to register for this course.

BIOE422 **Biosystems Engineering**

BIOE422 Biosystems Engineering; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120 and BIOE121 or BSCI105; and one of the following courses: BIOE331, BIOE332, ENCE305, or ENME331.* Conservation of mass in the context of biological systems at different scales (i.e., cellular, organ, and ecosystem), life cycles such as carbon cycle, nitrogen cycle, photosynthesis, water cycle, Kreb cycle, and aerobic and anaerobic cycles as they relate to biosystem function and health.

0101	Adel Shirmohammadi	Seats (Total: 30)	
	MWF 10:00am - 10:50am	ANS 0422	

BIOE455 **Basic Electronic Design**

BIOE455 Basic Electronic Design; (3 credits) Grade Method: REG. *Prerequisite: PHYS142 or equivalent; MATH246, and BIOE241. Credit will be granted for only one of the following: BIOE455 or ENBE455. Formerly ENBE455.*
Familiarization with basic electronic circuits and the ability to produce simple electronic designs.

0101	Arthur Johnson	Seats (Total: 50)	
	TuTh 12:30pm - 2:30pm	CHE 2108	
	M 2:00pm - 2:50pm	ANS 0422	Discussion

BIOE456 **Biomedical Instrumentation**

BIOE456 Biomedical Instrumentation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BIOE/ENBE455, one course in human physiology, or permission of department. Credit will be granted for only one of the following: BIOE456 or ENBE456. Formerly ENBE456.* Study of biomedical instrumentation and biomedical equipment technology. How biomedical equipment is used to measure information from the human body. Hands-on experience with representative biomedical equipment.

0101	Howard Bassen, Yang Tao Tu 6:00pm - 8:45pm	Seats (Total: 50) ANS 0422	

BIOE471 **Biological Systems Control**

BIOE471 Biological Systems Control; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BIOE/ENBE455, one course in biological sciences, or permission of department. Credit will be granted for only one of the following: BIOE471 or ENBE471. Formerly ENBE471.* Principles of control systems designed by biological engineers and analysis of control mechanisms found in biological organisms. Apparent control strategies used by biological systems will be covered.

0101	Hubert Montas MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) ANS 0422 ANS 0422	 Lab

BIOE482 **Analysis of Bioenergy Systems**

BIOE482 Analysis of Bioenergy Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM231 and ENME232; or equivalent. Combines topics from biofuels (some of which are renewable/sustainable) and biofuel cells. Emphasizes both engineering and biological analysis while including a practical perspective based on specific examples from the current literature. Ethanol from corn and sugar cane; gasoline from biomass; use of cellulosic biomass; enzymatic and microbial biofuel cells.

0101	Keith Herold TuTh 11:00am - 12:15pm	Seats (Total: 50) CSS 2324

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

BIOE485 Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE485 or ENBE485. Formerly ENBE485. This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.

0101	Adel Shirmohammadi, Yang Tao	Seats (Total: 50)	
	MW 11:00am - 12:15pm	ANS 0422	

BIOE601 **Biomolecular and Cellular Rate Processes**

BIOE601 Biomolecular and Cellular Rate Processes; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH859B. Credit will be granted for only one of the following: BIOE 601 or ENCH 859B. Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.

0101	William Bentley	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	EGR 3114	

BIOE602 **Cellular and Tissue Biomechanics**

BIOE602 Cellular and Tissue Biomechanics; (3 credits) Grade Method: REG/AUD.
Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	CHE 2118	
	W 10:00am - 10:50am	ANS 0402	Discussion

BIOE605 **Laboratory Rotations I**

BIOE605 Laboratory Rotations I; (1 credit) Grade Method: REG.
For BIOE majors only. Provides the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn a wide variety of laboratory and/or computational techniques, become familiar with Bioengineering program faculty, and develop insight on personal research interests and direction. Laboratory rotations are required in Fall and Spring of the first year of the Ph.D. Program. BIOE605: Laboratory Rotations I will be held in the Fall semester. BIOE606: Laboratory Rotations II will be held in the Spring semester.

0101	Peter Kofinas	Seats (Total: 15)
	F 11:00am - 11:50am	CHE 2108

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Adam Hsieh	Seats (Total: 20)
	F 11:00am - 11:50am	CHE 2108

BIOE645 **Advanced Engineering Start Up Ventures**

BIOE645 Advanced Engineering Start Up Ventures; (3 credits) Grade Method: REG/AUD.
Covers principles and practices important to engineering startup ventures, especially those involving bioengineering and medical device enterprises, and includes the preparation of business plans and tools used to obtain funding. This course will be taught in the Maryland Technology Enterprise Bldg.

0101	David Barbe, Martha Connolly	Seats (Total: 30)
	F 9:00am - 12:00pm	POT 2111

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689M **Special Topics in Bioengineering; Cell Engineering**

BIOE689M Special Topics in Bioengineering: Cell Engineering; (3 credits) Grade Method: REG.

0101	Jose Aranda-Espinoza	Seats (Total: 15)
	M 11:00am - 12:00pm	ANS 0412
	W 11:00am - 12:30pm	ANS 0412

BIOE689N **Special Topics in Bioengineering; Bionanotechnology: Physical Principles**

BIOE689N Special Topics in Bioengineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG.
Also offered as ENCH648N.

0101	Srinivasa Raghavan	Seats (Total: 25)
	Contact instructor or department for details.	

BIOE689V **Special Topics in Bioengineering; Probing Nanoscale Structures Using Neutron Scattering**

BIOE689V Special Topics in Bioengineering: Probing Nanoscale Structures Using Neutron Scattering; (3 credits) Grade Method: REG.

0101	Boualem Hammouda	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH B0425

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE808K **Advanced Topics in BIOE; Micro-Electro-Mechanical Systems I (MEMS I)**

BIOE808K Advanced Topics in BIOE: Micro-Electro-Mechanical Systems I (MEMS I); (3 credits) Grade Method: REG/AUD.

0101	Don DeVoe	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 0110

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Fall 2008

BIOL608Z **Biology Seminar; Key Ideas in Evolution**

BIOL608Z Biology Seminar: Key Ideas in Evolution; (2 credits) Grade Method: REG.

0101	Cristian Castillo-Davis	Seats (Total: 20)	
	Th 3:00pm - 5:00pm	BRB 2210	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL620 **Cell Biology**

BIOL620 Cell Biology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BSCI 230/ZOOL 211 or BCHM 461, BSCI 222/BIOL 222, and CHEM 233 or permission of instructor. Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.

0101	Hey-Kyoung Lee	Seats (Total: 12)	
	MWF 12:00pm - 12:50pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1230	Discussion

BIOL622 **Membrane Transport Phenomena**

BIOL622 Membrane Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 220 and (BSCI 230 or ZOOL 421) or permission of instructor. Credit will be granted for only one of the following: BIOL 622 or ZOOL 622. Formerly ZOOL622. The fundamental phenomena related to solute movement in bulk solution and across interfaces. Examination of natural and artificial membrane transport systems, with emphasis placed on their mechanism of action. Click here for more course information.

0101	Marco Colombini	Seats (Total: 10)
	TuTh 4:00pm - 5:15pm	PLS 1180

BIOL671 **Molecular Evolution**

BIOL671 Molecular Evolution; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BIOL 671 or ZOOL 645. Formerly ZOOL645. Basic foundations through advanced concepts in molecular evolution, including patterns and processes of DNA sequence variation, transposable element dynamics, gene duplication and loss, and genome organization. Relevant concepts from genetics, biochemistry, and phylogenetics also will be covered.

0101	Michael Cummings	Seats (Total: 20)
	TuTh 9:30am - 10:45am	AGL 3188

BIOL701 **Teaching Biology**

BIOL701 Teaching Biology; (1 credit) Grade Method: S-F.
For LFSC graduate students only. Credit will be granted for only one of the following: BIOL 701 or ZOOL 701. Formerly ZOOL701. Introduction to instructional methods and strategies, University and College policies, and campus resources for new LFSC graduate teaching assistants.

0101	William Higgins	Seats (Total: 20)
	Tu 6:00pm - 8:00pm	BPS 1208

BIOL708B **Advanced Topics in Biology; Principles of Animal Behavior**

BIOL708B Advanced Topics in Biology: Principles of Animal Behavior; (3 credits) Grade Method: REG.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1113	 Discussion

BIOL708C **Advanced Topics in Biology; Genomics of Sensory Systems**

BIOL708C Advanced Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG.

0101	Karen Carleton MW 2:00pm - 2:50pm	Seats (Total: 10) BPS 1230

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG.

0101	Avis Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 5) PLS 1117

BIOL708K **Advanced Topics in Biology; Advanced Population Ecology**

BIOL708K Advanced Topics in Biology: Advanced Population Ecology; (3 credits) Grade Method: REG.

0101	Douglas Gill MWF 9:00am - 9:50am	Seats (Total: 20) PLS 1140

BIOL708N **Advanced Topics in Biology; Mammalian Physiology**

BIOL708N Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Sergei Sukharev MWF 10:00am - 10:50am	Seats (Total: 20) BPS 1250

BIOL744 **Neurophysiology**

BIOL744 Neurophysiology; (3 credits) Grade Method: REG/AUD. *Prerequisites: BIOL 230/ZOOL 211, CHEM 233, and PHYS 122.* The physiology of nerves, muscles, an sensory receptors, and aspects of central nervous system physiology.

0101	Richard Payne TuTh 12:30pm - 1:45pm	Seats (Total: 4) BPS 1250

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Fall 2008

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 12) JMZ 0220 ANS 0473	Discussion

BIOM405 **Computer Applications in Biometrics**

BIOM405 *(PermReq)* **Computer Applications in Biometrics; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOM402 or equivalent. An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.

0101	Frank Siewerdt Contact instructor or department for details.	Seats (Total: 5)	

BIOM601 **Biostatistics I**

BIOM601 Biostatistics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM 301, STAT 464 or equivalent. Not open to students who have completed BIOM 402. Credit will be granted for only one of the following: BIOM 401 or BIOM 601. Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Frank Siewerdt TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	 Lab
0102	Frank Siewerdt TuTh 12:30pm - 1:45pm W 9:00am - 11:00am	Seats (Total: 27) ANS 0408 ANS 0473	 Lab
0104	Frank Siewerdt TuTh 12:30pm - 1:45pm Th 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	 Lab

BIOM603 **Biostatistics III**

BIOM603 Biostatistics III; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM 602; or equivalent. Applications and implementation of linear model analysis to biological data, including logistic and Poisson regression models for correlated data.

0101	Jiuzhou Song	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	ANS 0402	
	Th 9:30am - 11:30am	ANS 0473	Lab

BIOM621 **Applied Multivariate Statistics**

BIOM621 Applied Multivariate Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: BIOM 602. Recommended: BIOM 603. Not open to students who have completed BIOM 688B.* Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.

0101	Bahram Momen	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PLS 1162

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Fall 2008

BMGT110 **Introduction to Business and Management**

BMGT110 Introduction to Business and Management; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. A survey of the field of business, including its environment, organization, overall and functional management and current issues and developments.

0101	Jeff Miller TuTh 3:30pm - 4:45pm	Seats (Total: 110) VMH 1524
FP02	Gary Cohen MW 11:00am - 12:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1202
FP03	Gary Cohen MW 9:30am - 10:45am *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1202
FP04	Hugh Turner MW 2:00pm - 3:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1202
FP05	Hugh Turner MW 3:30pm - 4:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1202
FP06	Gary Cohen TuTh 9:30am - 10:45am *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1418
FP07	Gary Cohen TuTh 11:00am - 12:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1418
FP08	Brian Nelson TuTh 12:30pm - 1:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1418
FP09	Hugh Turner TuTh 12:30pm - 1:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 45) VMH 1333

BMGT110M **Introduction to Business and Management**
Contact department for information to register for this course.

BMGT110S **Introduction to Business and Management**

BMGT110S Introduction to Business and Management; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to College Park Scholars in Business, Society, and the Economy.

0101	Brian Nelson MW 11:00am - 12:15pm	Seats (Total: 39) CCC 1205	
0201	Brian Nelson MW 9:30am - 10:45am	Seats (Total: 40) CCC 1205	

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: permission of College. Also offered as ENES190. Credit will be granted for only one of the following: BMGT190 or ENES190.* Restricted to Quest Program students.

0101	Jose Suarez TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1528 VMH 1303	 Discussion
0102	Jose Suarez TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1528 VMH 1307	 Discussion

BMGT201 **Introduction to Business Computing**

BMGT201 Introduction to Business Computing; (3 credits) Grade Method: REG. *Not open to computer science students. 24 semester hours. For BMGT majors only.* Basic literacy course using common business computer-based applications. Considers the use of computing applications such as Microsoft Excel, Access and PowerPoint in problem solving. Restricted to BMGT students with 24 credit hours completed.

0101	Mahesh Kumar TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1311	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Open to all students with 24 credit hours completed.

0101	Progyan Basu TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 42) VMH 1212 VMH 1303	Discussion
0102	Progyan Basu TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 42) VMH 1212 VMH 1303	Discussion
0103	Progyan Basu TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 42) VMH 1212 VMH 1303	Discussion
0104	Progyan Basu TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 42) VMH 1212 VMH 1412	Discussion
0201	Progyan Basu TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 41) VMH 1212 VMH 1303	Discussion
0202	Progyan Basu TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 41) VMH 1212 VMH 1303	Discussion
0203	Progyan Basu TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 41) VMH 1212 VMH 1303	Discussion
0204	Progyan Basu TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 41) VMH 1212 VMH 1202	Discussion
0205	Progyan Basu TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 41) VMH 1212 VMH 1412	Discussion

0206	Progyan Basu TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 41) VMH 1212 VMH 1412	Discussion
0301	Colin Linsley TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 42) VMH 1212 VMH 1307	Discussion
0302	Colin Linsley TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1212 VMH 1307	Discussion
0303	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1212 VMH 1307	Discussion
0304	Colin Linsley TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 36) VMH 1212 VMH 1307	Discussion
0305	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 29) VMH 1212 VMH 1412	Discussion
0401	Colin Linsley TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 42) VMH 1212 VMH 1307	Discussion
0402	Colin Linsley TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 42) VMH 1212 VMH 1307	Discussion
0403	Colin Linsley TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1212 VMH 1303	Discussion
0404	Colin Linsley TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 42) VMH 1212 VMH 1307	Discussion

0405	Colin Linsley	Seats (Total: 42)	
	TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	VMH 1212 VMH 1412	Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Honors students with 24 credit hours completed.

0101	Colin Linsley	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	VMH 1412	

BMGT220M **Principles of Accounting I**

BMGT220M Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Markets & Society students with 24 credit hours completed.

0304	Colin Linsley	Seats (Total: 6)	
	TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	VMH 1212 VMH 1307	Discussion
0305	Colin Linsley	Seats (Total: 13)	
	TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	VMH 1212 VMH 1412	Discussion

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed.

0101	Gregory Pfeiffer	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	VMH 1524 VMH 1411	Discussion

0102	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1411	Discussion
0103	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1411	Discussion
0104	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1411	Discussion
0105	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1330	Discussion
0201	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1411	Discussion
0202	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1411	Discussion
0203	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1330	Discussion
0204	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1330	Discussion
0205	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1330	Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Restricted to Honors students with 24 credit hours completed.

0101	Hemantha Herath TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415	

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: AREC484, BIOM301, BMGT230, CNEC400, ECON321, EDMS451, GEOG305, GV PT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors.

0101	Erich Studer-Ellis MW 8:00am - 9:15am F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 COL 0100	Discussion
0102	Erich Studer-Ellis MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 28) VMH 1524 COL 0100	Discussion
0103	Erich Studer-Ellis MW 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 COL 0100	Discussion
0104	Erich Studer-Ellis MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0105	Erich Studer-Ellis MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 0100	Discussion

0106	Erich Studer-Ellis MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0107	Erich Studer-Ellis MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 0113	Discussion
0201	Erich Studer-Ellis MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 COL 3112	Discussion
0202	Erich Studer-Ellis MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 26) VMH 1524 COL 3112	Discussion
0203	Erich Studer-Ellis MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 23) VMH 1524 COL 3112	Discussion
0204	Erich Studer-Ellis MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) VMH 1524 COL 3112	Discussion
0205	Erich Studer-Ellis MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0206	Erich Studer-Ellis MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0207	Erich Studer-Ellis MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0301	Erich Studer-Ellis MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion

0302	Erich Studer-Ellis MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0303	Erich Studer-Ellis MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0304	Erich Studer-Ellis MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0305	Erich Studer-Ellis MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0306	Erich Studer-Ellis MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 3109	Discussion
0307	Erich Studer-Ellis MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 0101	Discussion

BMGT230B **Business Statistics**

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: AREC484, BIOM301, BMGT230, CNEC400, ECON321, EDMS451, GEOG305, GV PT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Restricted to BMGT majors.

0104	Erich Studer-Ellis MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0105	Erich Studer-Ellis MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 0100	Discussion

0106	Erich Studer-Ellis MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0107	Erich Studer-Ellis MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 0113	Discussion
0205	Erich Studer-Ellis MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0206	Erich Studer-Ellis MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0207	Erich Studer-Ellis MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0301	Erich Studer-Ellis MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0302	Erich Studer-Ellis MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0303	Erich Studer-Ellis MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0304	Erich Studer-Ellis MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0305	Erich Studer-Ellis MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3111	Discussion

0306	Erich Studer-Ellis MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 3109	Discussion
0307	Erich Studer-Ellis MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 0101	Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: AREC484, BIOM301, BMGT230, CNEC400, ECON321, EDMS451, GEOG305, GV PT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Restricted to Honors students.

0101	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415	

BMGT230M **Business Statistics**

BMGT230M Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: AREC484, BIOM301, BMGT230, CNEC400, ECON321, EDMS451, GEOG305, GV PT 422, PSYC 200, SOCY 201, URSP 350, or TEXT 400. Restricted to Markets & Society students.

0102	Erich Studer-Ellis MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 2) VMH 1524 COL 0100	Discussion
0202	Erich Studer-Ellis MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 4) VMH 1524 COL 3112	Discussion
0203	Erich Studer-Ellis MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 7) VMH 1524 COL 3112	Discussion

BMGT298F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT298F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.

FP01	Martin Dresner Tu 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP02	Martin Dresner Tu 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP03	Martin Dresner Tu 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203
FP04	Martin Dresner Tu 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP05	Curtis Grimm W 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP06	Curtis Grimm W 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP07	Curtis Grimm W 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to BMGT majors with 53 credit hours completed.

0101	Xiaoqing Wang MW 9:30am - 10:45am	Seats (Total: 60) VMH 1412
0201	Peter Weiss MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0301	Guodong Gao TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1303
0401	Guodong Gao TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1303
0501	Xiaoqing Wang MW 8:00am - 9:15am	Seats (Total: 60) VMH 1412
0601	Oliver Lin MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 1412
0701	Yixin Qiu M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT302 Business Computer Application Programming

BMGT302 Business Computer Application Programming; (3 credits) Grade Method: REG.
Prerequisite: Proficiency in Microsoft Office, BMGT201, CMSC102, or CMSC103; or permission of department. Computer Science majors will not receive credit. For BMGT majors only. Considers characteristics of business data programming and common software development processes and practices. Covers the designing, writing, documenting and testing of an efficient, structured program in Visual Basic. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Weiss TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 20) VMH 2203 VMH 1311	 Lab
0102	Peter Weiss Tu 5:00pm - 7:40pm Th 5:00pm - 5:50pm	Seats (Total: 20) VMH 2203 VMH 1311	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to accounting and finance majors with 53 credit hours completed.

0101	Sandra Rose MW 9:30am - 10:45am	Seats (Total: 40) VMH 1518
0201	Sandra Rose MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1518
0301	Justin Trudel MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1518
0401	Craig Stevens MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1518
0501	James McKinney TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1411

0601	Peter McPhun W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1412
SG91	Leslie Mostow TuTh 9:30am - 10:45am	Seats (Total: 43) SGII 3032
	Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Leslie Mostow TuTh 11:00am - 12:15pm	Seats (Total: 43) SGII 3032
	Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310. Restricted to accounting majors with 60 credit hours completed.

0101	Sandra Rose TuTh 2:00pm - 3:15pm	Seats (Total: 42) VMH 1411
0201	Sandra Rose TuTh 3:30pm - 4:45pm	Seats (Total: 42) VMH 1411

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

0101	Gary Bulmash TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1518
	This section is restricted to Accounting and Finance majors who have earned 53 or more credits.	

FP01	Gary Bulmash TuTh 9:30am - 10:45am *This section is restricted to Emerging CFOs Fellows (code: FPEC).*	Seats (Total: 35) VMH 1518
FP02	Gary Bulmash TuTh 11:00am - 12:15pm *This section is restricted to Financial Services Fellows (code: FPFS).*	Seats (Total: 35) VMH 1518

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making. Restricted to BMGT majors with 53 credit hours completed.

0101	Hemantha Herath TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1202
0201	Kendrall Hardy TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1202
0301	Kendrall Hardy TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1303
0401	Lei Zhou TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1303

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered. Restricted to accounting majors with 53 credit hours completed.

0101	Gregory Pfeiffer MW 9:30am - 10:45am	Seats (Total: 40) VMH 1206
0201	Gregory Pfeiffer MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1206
0301	Gregory Pfeiffer MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
SG91	Alan Jacobs TuTh 9:30am - 10:45am	Seats (Total: 42) SGII 2032
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Alan Jacobs TuTh 11:00am - 12:15pm	Seats (Total: 42) SGII 2032
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221 and (BMGT301 or BMGT201). A study of accounting systems and computer and communications technology. Restricted to accounting majors with 60 credit hours completed.

0101	Michael Lavine MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335
0201	Michael Lavine MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1335
0301	Michael Lavine MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335

SG91	Rachel Hall TuTh 11:00am - 12:15pm	Seats (Total: 42) SG3 3230
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Rachel Hall TuTh 12:30pm - 1:45pm	Seats (Total: 42) SG3 3230
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1412
0201	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1412
0301	Maria Bardossy TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1412
0401	Kazim Ruhi MW 9:30am - 10:45am	Seats (Total: 50) VMH 1335

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Other students should review their eligibility for BMGT340N.

0101	Susan White MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1524 VMH 3505	Discussion
0102	Susan White MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 42) VMH 1524 VMH 3505	Discussion
0103	Susan White MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1524 VMH 3505	Discussion
0104	Susan White MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 42) VMH 1524 VMH 3505	Discussion
0105	Susan White MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1524 VMH 3505	Discussion
0106	Susan White MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 42) VMH 1524 VMH 3505	Discussion
0201	Susan White MW 3:30pm - 4:45pm F 8:00am - 8:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0202	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 28) VMH 1524 VMH 1318	Discussion

0203	Susan White MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0204	Susan White MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0205	Susan White MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0206	Susan White MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
SG91	David Kass TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 3241	
SG92	David Kass TuTh 11:00am - 12:15pm *Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 3241	
SG93	David Kass TuTh 12:30pm - 1:45pm *Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 3241	

BMGT340H **Business Finance**

BMGT340H *(PermReq)* **Business Finance; (3 credits)** Grade Method: REG. *Prerequisites: BMGT221; and {BMGT230 or BMGT231}.* Restricted to BMGT Honors students with 53 credit hours completed.

0101	Vojislav Maksimovic TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415	

0201	Vojislav Maksimovic TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1415	

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Restricted to agricultural and resource economics majors 0111C) with 53 credit hours completed.

0202	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 10) VMH 1524 VMH 1318	 Discussion

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to finance majors with 60 credit hours completed.

0101	Georgios Skoulakis TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1307
0201	Georgios Skoulakis TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1307
0301	Georgios Skoulakis TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1307
0401	Michael Lee MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1330

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other students should review their eligibility for BMGT 350N.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 26) VMH 1524 VMH 1314	 Discussion
0102	Henry Boyd TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0103	Henry Boyd TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0104	Henry Boyd TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0105	Henry Boyd TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0106	Henry Boyd TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0201	Henry Boyd TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 36) VMH 1524 VMH 1418	 Discussion
0202	Henry Boyd TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 36) VMH 1524 VMH 1418	 Discussion

0203	Henry Boyd TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0204	Henry Boyd TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0205	Henry Boyd TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0206	Henry Boyd TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
SG91	Mervin Yeagle MW 9:30am - 10:45am	Seats (Total: 60) SG3 3202	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	Mervin Yeagle MW 11:00am - 12:15pm	Seats (Total: 60) SG3 3202	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	Mervin Yeagle MW 2:00pm - 3:15pm	Seats (Total: 60) SG3 3202	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT350H **Marketing Principles and Organization**

BMGT350H *(PermReq)* **Marketing Principles and Organization; (3 credits)** Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1314	

0201	Roxanne Lefkoff MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314	

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 10) VMH 1524 VMH 1314	 Discussion

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisites: BMGT220; and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, Internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0101	Jie Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1202
0201	Jie Zhang TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202
0301	Jie Zhang TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1202

BMGT360 **Human Resource Management**

BMGT360 Human Resource Management; (3 credits) Grade Method: REG.
The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation and appraisal of employees. Explores the impact of scientific management and unionism on these functions. Open to all students with 53 credit hours completed.

0101	James Spina MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0102	James Spina MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0103	James Spina MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0104	James Spina MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0105	James Spina MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0106	James Spina MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
SG91	Gosia Langa TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2042	

BMGT361 **Entrepreneurship: Starting and Managing the Entrepreneurial Venture**

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture; (3 credits) Grade Method: REG.
For BMGT majors only. Not open to students who have completed BMGT261 or BMGT461. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Formerly BMGT261. Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program.

SG91	Oliver Schlake	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	SGII 3012	
	Registration is restricted to Entrepreneurship (0503E) business majors at Shady Grove. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT362 **Labor Relations**
Contact department for information to register for this course.

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.

0101	Mark Wellman	Seats (Total: 32)	
	MW 12:30pm - 1:45pm	VMH 1524	
	F 9:00am - 10:50am	VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		
0102	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm	VMH 1524	
	F 10:00am - 11:50am	VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		
0103	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm	VMH 1524	
	F 11:00am - 12:50pm	VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		
0104	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm	VMH 1524	
	F 12:00pm - 1:50pm	VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		

0105	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 1:00pm - 2:50pm	VMH 1524 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		
0201	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 9:00am - 10:50am	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/12/2008 and the will meet every other Friday through 12/12/2008.		
0202	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 10:00am - 11:50am	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/12/2008 and the will meet every other Friday through 12/12/2008.		
0203	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 11:00am - 12:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/12/2008 and the will meet every other Friday through 12/12/2008.		
0204	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 12:00pm - 1:50pm	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/12/2008 and the will meet every other Friday through 12/12/2008.		
0205	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 1:00pm - 2:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/12/2008 and the will meet every other Friday through 12/12/2008.		
SG91	Vijaya Venkataramani	Seats (Total: 60)	
	MW 8:00am - 9:15am	SGI 220	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

SG92	Vijaya Venkataramani MW 9:30am - 10:45am	Seats (Total: 60) SGI 220	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	Vijaya Venkataramani MW 11:00am - 12:15pm	Seats (Total: 60) SGI 220	
	Registration is restricted to BMGT-Shady Grove majors. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Mark Wellman MW 12:30pm - 1:45pm F 9:00am - 10:50am	Seats (Total: 10) VMH 1524 VMH 1336	 Discussion
	The discussion for this section will begin meeting on 9/05/2008 and the will meet every other Friday through 12/5/2008.		

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

0101	Jessica Badt M 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0201	Jessica Badt Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528

0301	Jessica Badt W 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0501	Jessica Badt M 6:00pm - 6:50pm	Seats (Total: 115) VMH 1528
SG91	Jessica Badt M 5:00pm - 5:50pm	Seats (Total: 100) SG3 3241
	Registration is restricted to BMGT-Shady Grove non-accounting majors (0503G, 0503E, 0503I & 0503M).UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Jessica Badt W 5:00pm - 5:50pm	Seats (Total: 85) SG3 3241
	Registration is restricted to BMGT-Shady Grove accounting majors (0503A) UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT370 **Introduction to Transportation in Supply Chain Management**

BMGT370 Introduction to Transportation in Supply Chain Management; (3 credits) Grade Method: REG.

An overview of the transportation field with an emphasis on freight movements from the perpective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT majors with 53 credit hourse completed

0201	Leland Gardner TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335
0301	Leland Gardner TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. Restricted to BMGT majors with 53 credit hours completed.

0101	William McAdam TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1206
0201	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336
0401	Richard Hutchins TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1206
0501	Jeff Miller MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.

0201	Gideon Mark MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0301	William McClenahan Tu 7:00pm - 9:40pm	Seats (Total: 54) VMH 1202
0401	Gideon Mark MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330

0501	William McClenahan TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333
0601	Richard Daniels TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
0701	Alan Jacobs M 7:00pm - 9:40pm	Seats (Total: 50) VMH 1412
0801	Gideon Mark MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330
SG91	Daniel Hirschhorn MW 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 4230
SG92	Daniel Hirschhorn MW 11:00am - 12:15pm *Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 4230
SG93	Daniel Hirschhorn MW 12:30pm - 1:45pm *Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) SG3 4230

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	Alan Jacobs M 7:00pm - 9:40pm	Seats (Total: 10) VMH 1412

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan MW 3:30pm - 4:45pm	Seats (Total: 65) VMH 1330

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Wedad Elmaghraby MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1311
FP01	Wedad Elmaghraby MW 12:30pm - 1:45pm *Section restricted to students in the Smith School's Business Process Fellows Program.*	Seats (Total: 40) VMH 1311

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H for QUEST students There is no prerequisite for Non-QUEST students. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, or ENES390. Formerly BMGT498X. Restricted to BMGT Majors and QUEST students with 53 credit hours completed.

0101	Jose Suarez TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1528

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200; or ECON205. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Morici TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418
0201	Peter Morici TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1418

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

BMGT398C *(PermReq)* **Individual Study in Business and Management: Undergraduate Teaching Scholars Training; (1 credit)** Grade Method: REG/P-F.

0101	Gregory Pfeiffer Contact instructor or department for details.	Seats (Total: 16)

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG.
Restricted to QUEST Program students.

0101	Nicole Coomber M 5:00pm - 6:50pm	Seats (Total: 16) VMH 1314

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined. Restricted to BMGT majors with 72 credit hours completed.

0101	Peter Weiss	Seats (Total: 20)	
	W 7:00pm - 9:40pm	VMH 2203	
	Th 7:00pm - 8:00pm	VMH 2203	Lab
0201	Louiqa Raschid	Seats (Total: 30)	
	Tu 7:00pm - 9:40pm	VMH 1311	
	Th 7:00pm - 8:00pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1311
0201	Hassan Ibrahim	Seats (Total: 40)
	M 7:00pm - 9:40pm	VMH 1311

BMGT405 **Business Telecommunications**

BMGT405 Business Telecommunications; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Concepts of business data communications and data processing. Application of these ideas in computer networks, including basic principles of telecommunications technology, computer network technology, data management in distributed database systems and management of the technical and functional components of telecommunications technology. Restricted to BMGT majors with 72 credit hours completed.

0101	Donald Riley TuTh 3:30pm - 4:45pm	Seats (Total: 36) VMH 1314

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing. Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1336

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting. Restricted to Accounting majors with 86 credit hours completed.

0101	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1307
0201	Nile Webb MW 2:00pm - 3:15pm	Seats (Total: 38) VMH 1307
0301	Stephen Loeb MW 3:30pm - 4:45pm	Seats (Total: 38) VMH 1307

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor Tu 7:00pm - 9:40pm	Seats (Total: 40) VMH 1307
0201	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1202

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. Restricted to accounting majors.

0101	James McKinney TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	James McKinney TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1307

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to accounting majors.

0101	Patrick McNamee TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418

0201	James McKinney	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	VMH 1307

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or permission of department.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed.

0101	Francis Alt	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1415

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Zhi-Long Chen	Seats (Total: 35)
	MW 3:30pm - 4:45pm	VMH 1518

BMGT435 **Business Process Simulation**

BMGT435 Business Process Simulation; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or equivalent. For BMGT majors only.* Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory.

0101	Kazim Ruhi MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1415

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 84 credit hours completed.

0101	Susan White MW 9:30am - 10:45am	Seats (Total: 43) VMH 1303
0201	Elinda Kiss TuTh 2:00pm - 3:15pm	Seats (Total: 43) VMH 1330
0301	Elinda Kiss TuTh 3:30pm - 4:45pm	Seats (Total: 43) VMH 1330
0401	David Kass MW 2:00pm - 3:15pm	Seats (Total: 43) VMH 1206
0501	David Kass MW 3:30pm - 4:45pm	Seats (Total: 43) VMH 1206

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Nitish Sinha TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505

0301	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505
0401	Nitish Sinha TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to finance majors with 84 credit hours completed.

0101	Tanakorn Makaew MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335
0201	Seoyeon Moon MW 5:00pm - 6:15pm	Seats (Total: 40) VMH 1307

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to finance majors with 84 credit hours completed.

0101	Elinda Kiss TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1330
0201	Elinda Kiss TuTh 11:00am - 12:15pm	Seats (Total: 48) VMH 1330
0301	David Malmquist M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1202

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. Restricted to finance and general business majors with an international option with 72 credit hours completed.

0101	Sudip Gupta MW 9:30am - 10:45am	Seats (Total: 40) VMH 1307
0201	Sudip Gupta MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1307
0301	Ulrich Hewer TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1336
0401	Ulrich Hewer TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336
0501	Steven Heston M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1411

BMGT449 **Investment Fund Management: Lemma Senbet Fund**

BMGT449 *(PermReq)* **Investment Fund Management: Lemma Senbet Fund; (3 credits)** Grade Method: REG.

0101	Sarah Kroncke Tu 1:00pm - 3:00pm Th 1:00pm - 3:00pm	Seats (Total: 12) VMH 4534 VMH 4534

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to BMGT majors with 60 credit hours completed.

0101	Katherine Boyle TuTh 11:00am - 12:15pm	Seats (Total: 50) VMH 1335
0201	Katherine Boyle TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1335
FP01	Katherine Boyle TuTh 12:30pm - 1:45pm *This section is restricted to students in the Smith School's Sport Management Fellows program (code:FPSM0.*	Seats (Total: 25) VMH 1335

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.* Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. Restricted to marketing majors with 68 credit hours completed and general business majors with 84 credit hours completed.

0101	Rosellina Ferraro MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	Rosellina Ferraro MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336
0301	Marjorie Bonavia TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1511

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisites: BMGT230; and BMGT451.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in evaluating and writing market research proposals, interpreting and analyzing subsequent reports and appraising their usefulness to managers; designing studies, including selection of data collection method, development of data collection instrument, sample design, collection and analysis of data and reporting the results. Restricted to marketing majors with 72 credit hours completed.

0101	Diane Whitney MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1412
0201	Hyoryung Nam TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1206
0301	Diane Whitney MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1412
SG91	James Matherly TuTh 12:30pm - 1:45pm	Seats (Total: 36) SGII 3062
	Registration is restricted to BMGT-Shady Grove marketing majors (0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

0101	Simon Bensimon MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1303
0201	Simon Bensimon MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1303

SG91	Simon Bensimon TuTh 11:00am - 12:15pm	Seats (Total: 40) SGII 3042
	Registration is restricted to BMGT-Shady Grove marketing majors (0503M) with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Simon Bensimon TuTh 12:30pm - 1:45pm	Seats (Total: 40) SGII 3042
	Registration is restricted to BMGT-Shady Grove International Business majors (0503I) with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to marketing majors with 68 credit hours completed.

0101	Henry Boyd TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1206

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. Restricted to marketing majors with 100 credit hours completed.

0101	Mary Harms TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1333

0201	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 40) VMH 1336

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.

0101	Thomas Mierzwa Tu 7:00pm - 9:40pm	Seats (Total: 22) VMH 1303
SG91	Oliver Schlake TuTh 2:00pm - 3:15pm	Seats (Total: 36) SGII 3062
	Registration is restricted to BMGT-Shady Grove non-Entrepreneurship majors (0503A, 0503I & 0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

0101	Thomas Mierzwa Tu 7:00pm - 9:40pm	Seats (Total: 23) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG. *For BMGT majors only.* Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to International Business majors (0503I) with 72 hours completed.

0101	Gosia Langa M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1206
SG91	Gosia Langa TuTh 12:30pm - 1:45pm	Seats (Total: 36) SGII 2032
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Gosia Langa TuTh 2:00pm - 3:15pm	Seats (Total: 36) SGII 2032
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT465 **Business Plan For The New Venture**

BMGT465 Business Plan For The New Venture; (3 credits) Grade Method: REG. *Prerequisite: BMGT361 or BMGT461.* Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms.

SG91	Oliver Schlake TuTh 11:00am - 12:15pm	Seats (Total: 27) SG3 2062
	Registration is restricted to Entrepreneurship (0503E) business majors with 86 credits at Shady Grove. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
For BMGT majors only. Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to International Business majors (0503I) with 72 credit hours completed.

0201	Paulo Prochno	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	VMH 1528

BMGT470 **Advanced Transportation Management**

BMGT470 Advanced Transportation Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT370. The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive sesponses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to LTSCM Majors

0101	Thomas Corsi	Seats (Total: 24)
	TuTh 2:00pm - 3:15pm	VMH 3522

BMGT475 **Advanced Supply Chain Management Strategy and Technologies**

BMGT475 Advanced Supply Chain Management Strategy and Technologies; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Analysis of the strategic aspects of supply chain management. Emphasis on the creation of end-user value through supply chain cost reductions, service improvements or both. Attention is directed toward the enabling role of technology in support of strategy evaluation and implementation. Restricted to logistics and transportation majors.

0101	Rodrigo Britto	Seats (Total: 24)
	TuTh 12:30pm - 1:45pm	VMH 3522

BMGT476 **Applied Computer Models in Supply Chain Management**

BMGT476 Applied Computer Models in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to logistics and transportation majors.

0201	Dina Ribbink TuTh 11:00am - 12:15pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.
The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. Restricted to logistics and transportation and international business majors.

0101	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1303
0201	Koki Nagata MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1303

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

0101	Michael Trusov TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311

0201	Michael Trusov TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1311
SG91	Michael Trusov TuTh 9:30am - 10:45am	Seats (Total: 27) SG3 2212
	Registration is restricted to BMGT-Shady Grove marketing majors (0503M) with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1311
FP01	Barnet Corwin MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1202
	Restricted to students in the Smith School's Business Process Fellows (PBP).	
FP02	Barnet Corwin M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1415
	Restricted to students in the Smith School's Sport Management Fellows (PSM).	

BMGT486 **Total Quality Management**

BMGT486 Total Quality Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or equivalent. Total Quality Management and the synergy required between functions to obtain the customer's quality demands. Statistical tools which are mandatory in any successful quality effort. This course is restricted to BMGT majors or Quest students with 72 credit hours.

0101	Jose Suarez	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	VMH 1336

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT230, BMGT231, STAT400 or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to BMGT majors and Quest students with 53 credit hours.

0101	Francis Alt	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	VMH 1415

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG.

FP01	Philip Evers	Seats (Total: 32)
	Tu 7:00pm - 9:40pm	VMH 1330
	Restricted to students in the Smith School's Sport Management Fellows (PSM).	

BMGT488B **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Music Management**

BMGT488B Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Music Management; (3 credits) Grade Method: REG.

FP01	Hugh Turner	Seats (Total: 32)
	W 7:00pm - 9:40pm	VMH 1415
	Restricted to students in the Smith School's Music Management Fellows P ogram (FPMM).	

BMGT488L **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Logistics, Transportation, and Supply Chain Management**

BMGT488L Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Logistics, Transportation, and Supply Chain Management; (3 credits) Grade Method: REG.

FP01	Lisa Harrington	Seats (Total: 40)
	Tu 7:00pm - 9:40pm	VMH 1528
	Restricted to students in the Smith School's LTSCM Fellows Program (FPL).	

BMGT490H **Quest Consulting and Innovation Practicum**

BMGT490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG.
Prerequisite: BMGT390 or ENES390. Also offered as ENES490. Credit will be granted for only one of the following: BMGT490 or ENES490. Restricted to Quest Program students.

0101	David Ashley, Jose Suarez	Seats (Total: 80)
	TuTh 5:00pm - 6:15pm	VMH 1212
	Contact instructor or department for details.	

BMGT493H **Honors Study**

BMGT493H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Charles Olson	Seats (Total: 65)
	M 3:30pm - 6:10pm	VMH 1511

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to BMGT seniors with 100 credit hours completed.

0201	David Kressler MW 9:30am - 10:45am	Seats (Total: 32) VMH 1314
0301	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1314
0401	Rhonda Reger TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
0501	James Spina MW 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
0601	James Spina MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1314
0701	W Knight TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1314
0801	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1314

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: one course in BMGT; or permission of department. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment. Open to all students with 53 credit hours completed.

0101	Brian Nelson TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1412

BMGT498A **Special Topics in Business and Management; Design in Marketing**

BMGT498A Special Topics in Business and Management: Design in Marketing; (3 credits) Grade Method: REG.
Restricted to marketing majors with 68 credit hours completed. Prerequisite: BMGT350.

0101	Mary Harms TuTh 9:30am - 10:45am	Seats (Total: 30) VMH 1336

BMGT808B **Doctoral Seminar; Seminar in Logistics Research**

BMGT808B Doctoral Seminar: Seminar in Logistics Research; (3 credits) Grade Method: REG/AUD.

0101	Martin Dresner M 3:30pm - 6:10pm	Seats (Total: 8) VMH 4534

BMGT808E **Doctoral Seminar; Advanced Operations Management**

BMGT808E Doctoral Seminar: Advanced Operations Management; (3 credits) Grade Method: REG/AUD.

0101	Wedad Elmaghraby Th 10:00am - 12:40pm	Seats (Total: 20) VMH 3509

BMGT808F **Doctoral Seminar; Cognition in Strategic Management**

BMGT808F Doctoral Seminar: Cognition in Strategic Management; (3 credits) Grade Method: REG.

0101	Rhonda Reger M 1:30pm - 4:30pm	Seats (Total: 12) VMH 3330H

BMGT808G **Doctoral Seminar; Applied Microeconomics**

BMGT808G Doctoral Seminar: Applied Microeconomics; (3 credits) Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Kislaya Prasad Th 10:00am - 12:40pm	Seats (Total: 12) VMH 2509

BMGT808I **Doctoral Seminar; Introduction to Information Systems**

BMGT808I Doctoral Seminar: Introduction to Information Systems; (3 credits)
Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Katherine Stewart Tu 10:30am - 1:10pm	Seats (Total: 12) VMH 4440

BMGT808K **Doctoral Seminar; Research Methods in Strategic Management**

BMGT808K Doctoral Seminar: Research Methods in Strategic Management; (3 credits) Grade Method: REG/AUD.

0101	David Waguespack W 1:30pm - 4:30pm	Seats (Total: 12) VMH 2509

BMGT808M **Doctoral Seminar; Marketing Models in R**

BMGT808M Doctoral Seminar: Marketing Models in R; (3 credits) Grade Method: REG/AUD.

0101	Michel Wedel M 2:00pm - 5:00pm	Seats (Total: 12) VMH 4440

BMGT808O **Doctoral Seminar; Current Research in Information Systems**

BMGT808O Doctoral Seminar: Current Research in Information Systems; (3 credits) Grade Method: REG/AUD.

0101	Joseph Bailey, Guodong Gao, Xiaoqing Wang Th 2:30pm - 5:10pm	Seats (Total: 10) VMH 4335

BMGT808Q **Doctoral Seminar; Conflict Management**

BMGT808Q Doctoral Seminar: Conflict Management; (3 credits) Grade Method: REG/AUD.

0101	Debra Shapiro M 1:00pm - 3:40pm	Seats (Total: 10) VMH 4535

BMGT808T **Doctoral Seminar; Survey of Consumer Behavior**

BMGT808T Doctoral Seminar: Survey of Consumer Behavior; (3 credits) Grade Method: REG/AUD.

0101	Amna Khawaja	Seats (Total: 12)
	F 2:00pm - 5:00pm	VMH 4335

BMGT811 **Seminar in Financial Accounting**

BMGT811 Seminar in Financial Accounting; (3 credits) Grade Method: REG/AUD. *Prerequisite: BMGT 710 or equivalent.* Seminar in selected classic and current theoretical and empirical research in financial accounting.

0101	Oliver Kim	Seats (Total: 12)
	M 3:00pm - 5:40pm	VMH 2509

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828A **Independent Study in Business and Management; Financial Research Methods**

BMGT828A Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.
Prerequisite: Permission of instructor.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	F 12:00pm - 1:30pm	VMH 1107

BMGT828B **Independent Study in Business and Management**

BMGT828B Independent Study in Business and Management; (1-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828C **Independent Study in Business and Management; Workshop in Supply Chain Management**

BMGT828C Independent Study in Business and Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG/AUD.

0101	Martin Dresner	Seats (Total: 8)
	W 12:30pm - 2:00pm	VMH 3332

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	Rachelle Sampson, David Waguespack	Seats (Total: 12)
	Th 10:00am - 12:30pm	VMH 3330H
	Section is team taught by Rachelle Sampson and David Waguespack.	

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG/AUD.

Course is required for all first and second year students enrolled in OB ,HR and Strategy doctoral programs. Section is team taught by Debra Shap iro and Ken Smith. Course will meet periodically at the time indicated.

0101	Hui Liao, Rhonda Reger	Seats (Total: 30)
	Th 10:00am - 12:40pm	VMH 4535

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1-9 credits) Grade Method: REG/AUD.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Gilvan Souza, Katherine Stewart F 2:00pm - 3:30pm	Seats (Total: 30) VMH 1335

BMGT828M **Independent Study in Business and Management; Research on Mathematical Finance**

BMGT828M Independent Study in Business and Management: Research on Mathematical Finance; (2 credits) Grade Method: REG/AUD.

0101	Dilip Madan M 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 10) VMH 2509

BMGT830 **Operations Research: Linear Programming**

BMGT830 Operations Research: Linear Programming; (3 credits) Grade Method: REG.
Prerequisites: MATH 240 or equivalent; or permission of department. Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.

0101	Subramanian Raghavan TuTh 2:00pm - 3:15pm	Seats (Total: 26) VMH 3330H

BMGT833 **Operations Research: Integer Programming**

BMGT833 Operations Research: Integer Programming; (3 credits) Grade Method: REG/AUD.
Prerequisites: {BMGT 830; and MATH 241 or equivalent}; or permission of department. Theory, applications, and computational methods of integer optimization. Zero-one implicit enumeration, branch and bound methods, and cutting plane methods.

0101	Michael Ball Tu 2:00pm - 4:40pm	Seats (Total: 12) VMH 4335

BMGT834 **Operations Research: Probabilistic Models**

BMGT834 Operations Research: Probabilistic Models; (3 credits) Grade Method: REG/AUD.
Prerequisites: {MATH 241; and STAT 400 or equivalent} or permission of department. Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

0101	Michael Fu	Seats (Total: 35)
	Th 3:30pm - 6:10pm	VMH 1415

BMGT840 **Seminar in Financial Theory**

BMGT840 Seminar in Financial Theory; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Gerard Hoberg	Seats (Total: 24)
	Tu 9:00am - 11:40am	VMH 3330H

BMGT861 **Seminar in Performance Appraisal and Training**

BMGT861 Seminar in Performance Appraisal and Training; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 660 or permission of department. Seminar in selected theoretical and empirical literature in performance appraisal and training.

0101	Mary Taylor	Seats (Total: 11)
	W 10:00am - 12:40pm	VMH 2509

BMGT880 **Business Research Methodology**

BMGT880 Business Research Methodology; (3 credits) Grade Method: REG/AUD. Covers the nature, scope, and application of research methodology. The identification and formulation of research designs applicable to business and related fields. Required of D.B.A. students.

0101	Kathryn Bartol Tu 1:00pm - 3:40pm	Seats (Total: 12) VMH 4535

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Fall 2008

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Chemical and Life Sciences departments, as indicated.

The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building, ENTM - Entomology, 4112 PLS Building).

Registration of BSCI course sections which begin with "SEF*" is restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Lab start dates will be posted on the Life Sciences Web Page. www.chemlife.umd.edu

BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course.

Formerly: BIOL101 and BIOL102. An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). For non-science majors general education credit. Students must pay a $40 lab fee for materials.

1003	Joelle Presson TuTh 3:30pm - 4:45pm M 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 HJP 1105	 Lab
1004	Joelle Presson TuTh 3:30pm - 4:45pm M 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 1105	 Lab

1005	Joelle Presson TuTh 3:30pm - 4:45pm Tu 8:00am - 10:50am	Seats (Total: 22) HJP 0226 HJP 1105	 Lab
1006	Joelle Presson TuTh 3:30pm - 4:45pm Tu 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 HJP 1105	 Lab
1007	Joelle Presson TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 1105	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course.
Formerly: BIOL101 and BIOL102.

0101	Joelle Presson TuTh 3:30pm - 4:45pm	Seats (Total: 5) BPS 1250	

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: placement in MATH110 or higher. For science majors. Formerly BIOL105. Basic principles of biology with special emphasis on cellular and molecular biology.

5117	Richard Stewart MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1236	 Lab
5118	Richard Stewart MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1235	 Lab
5121	Richard Stewart MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 1226	 Lab

5122	Richard Stewart MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5123	Richard Stewart MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1236	Lab
5124	Richard Stewart MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5126	Richard Stewart MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5129	Richard Stewart MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5133	Richard Stewart MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5135	Richard Stewart MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1236	Lab
5140	Richard Stewart MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 21) BRB 1101 BRB 1236	Lab
5145	Richard Stewart MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5220	John O'Connor TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1236	Lab

5225	John O'Connor TuTh 8:00am - 9:15am Tu 6:00pm - 8:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5231	John O'Connor TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5232	John O'Connor TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 1236	Lab
5234	John O'Connor TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5236	John O'Connor TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 20) BRB 1101 HJP 1235	Lab
5237	John O'Connor TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1236	Lab
5238	John O'Connor TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5248	John O'Connor TuTh 8:00am - 9:15am Th 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1235	Lab
5249	John O'Connor TuTh 8:00am - 9:15am Th 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1226	Lab
5312	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 21) HJP 0226 HJP 1235	Lab

5314	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 21) HJP 0226 HJP 1226	Lab
5316	Anne Simon MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 21) HJP 0226 HJP 1226	Lab
5325	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) HJP 0226 HJP 1236	Lab
5327	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) HJP 0226 HJP 1235	Lab
5330	Anne Simon MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 21) HJP 0226 HJP 1236	Lab
5341	Anne Simon MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 21) HJP 0226 HJP 1226	Lab
5342	Anne Simon MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 21) HJP 0226 HJP 1235	Lab
5343	Anne Simon MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 21) HJP 0226 HJP 1226	Lab
5344	Anne Simon MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 21) HJP 0226 HJP 1236	Lab
5346	Anne Simon MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 21) HJP 0226 HJP 1236	Lab

SEF1	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm	Seats (Total: 21) HBK 0115 HJP 1235	 Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SEF2	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm	Seats (Total: 21) HBK 0115 HJP 1236	 Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: placement in MATH110 or higher. For science majors. Formerly BIOL105.

5121	Richard Stewart MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101
5233	John O'Connor TuTh 8:00am - 9:15am	Seats (Total: 5) BRB 1101
5313	Anne Simon MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: MATH110 placement. For science majors. Formerly BIOL106. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 Laboratory Materials fee.

6115	Sara Via MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 2103	Lab
6126	Sara Via MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6127	Sara Via MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 21) BRB 1101 HJP 2103	Lab
6142	Sara Via MWF 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6145	Sara Via MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 2103	Lab
6146	Sara Via MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6150	Sara Via MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 2103	Lab
6152	Sara Via MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 2104	Lab

6223	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 2103	Lab
6224	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6231	Sara Via MWF 2:00pm - 2:50pm W 8:00am - 10:50am	Seats (Total: 10) BRB 1101 HJP 2103	Lab
6234	Sara Via MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6238	Sara Via MWF 2:00pm - 2:50pm W 5:00pm - 7:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6244	Sara Via MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 2104	Lab
6325	Jeffrey Jensen MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) BPS 1250 HJP 2103	Lab
6343	Jeffrey Jensen MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 21) BPS 1250 HJP 2103	Lab

BSCI106C **Principles of Biology II**

BSCI106C Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: MATH110 placement. For science majors. Formerly BIOL106.

6116	Sara Via	Seats (Total: 21)	
	MWF 11:00am - 11:50am M 2:00pm - 4:50pm	BRB 1101 HJP 2104	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
6135	Sara Via	Seats (Total: 21)	
	MWF 11:00am - 11:50am W 2:00pm - 4:50pm	BRB 1101 HJP 2103	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
6136	Sara Via	Seats (Total: 21)	
	MWF 11:00am - 11:50am W 2:00pm - 4:50pm	BRB 1101 HJP 2104	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
6137	Sara Via	Seats (Total: 21)	
	MWF 11:00am - 11:50am W 5:00pm - 7:50pm	BRB 1101 HJP 2103	Lab
6221	Sara Via	Seats (Total: 20)	
	MWF 2:00pm - 2:50pm Tu 8:00am - 10:50am	BRB 1101 HJP 2103	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
6231	Sara Via	Seats (Total: 11)	
	MWF 2:00pm - 2:50pm W 8:00am - 10:50am	BRB 1101 HJP 2103	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
6241	Sara Via	Seats (Total: 21)	
	MWF 2:00pm - 2:50pm Th 8:00am - 10:50am	BRB 1101 HJP 2103	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		

6314	Jeffrey Jensen MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 21) BPS 1250 HJP 2104	Lab
6318	Jeffrey Jensen MWF 9:00am - 9:50am M 5:00pm - 7:50pm	Seats (Total: 21) BPS 1250 HJP 2104	Lab
6328	Jeffrey Jensen MWF 9:00am - 9:50am Tu 5:00pm - 7:50pm	Seats (Total: 21) BPS 1250 HJP 2104	Lab
6348	Jeffrey Jensen MWF 9:00am - 9:50am Th 5:00pm - 7:50pm	Seats (Total: 21) BPS 1250 HJP 2104	Lab

BSCI106H **Principles of Biology II**

BSCI106H Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: MATH110 placement. For science majors. Formerly BIOL106.

6211	Sara Via MWF 2:00pm - 2:50pm M 8:00am - 10:50am	Seats (Total: 20) BRB 1101 HJP 2103	Lab
6212	Sara Via MWF 2:00pm - 2:50pm M 8:00am - 10:50am	Seats (Total: 20) BRB 1101 HJP 2104	Lab
6313	Jeffrey Jensen MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 20) BPS 1250 HJP 2103	Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: MATH110 placement. For science majors. Formerly BIOL106. BSCI 106 must be taken within twelve months of the semester in which BSCI 106M is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6160	Sara Via MWF 11:00am - 11:50am	Seats (Total: 5) BRB 1101	
6260	Sara Via MWF 2:00pm - 2:50pm	Seats (Total: 5) BRB 1101	

BSCI106S **Principles of Biology II**

BSCI106S Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: MATH110 placement. For science majors. Formerly BIOL106. Restricted to College Park Scholars - Life Sciences

6132	Sara Via MWF 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 20) BRB 1101 HJP 2104	 Lab
6217	Sara Via MWF 2:00pm - 2:50pm M 5:00pm - 7:50pm	Seats (Total: 20) BRB 1101 HJP 2103	 Lab
6233	Sara Via MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 20) BRB 1101 HJP 2103	 Lab

BSCI106U **Principles of Biology II**
Contact department for information to register for this course.

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly ENTM100. A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in the College of Chemical and Life Sciences. (Sponsoring Dept.: ENTM).
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	David Hawthorne TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0102	David Hawthorne TuTh 9:30am - 10:20am Tu 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0103	David Hawthorne TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0104	David Hawthorne TuTh 9:30am - 10:20am Th 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0105	David Hawthorne TuTh 9:30am - 10:20am Th 1:00pm - 1:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion

BSCI121 **Beekeeping**

BSCI121 Beekeeping; (2 credits) Grade Method: REG/P-F/AUD.
Formerly ENTM111. First semester. A study of the life history, behavior and seasonal activities of the honeybee, its place in pollination of flowers with emphasis on plants of economic importance and bee lore in literature. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: ENTM).

0101	John Hellman TuTh 9:30am - 10:30am	Seats (Total: 24) PLS 1146	

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
For non-science majors only. Not open to students who have completed BSCI105/BIOL105. Formerly PBIO100. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125. (Sponsoring Dept.: CBMG).

2001	Edgar Moctezuma TuTh 9:30am - 10:45am	Seats (Total: 120) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: BSCI124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125. Formerly PBIO101. An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. CORE Lab Science. CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. (Sponsoring Dept.: CBMG). Students must pay a $40.00 Laboratory Materials fee.

1104	Edgar Moctezuma M 12:30pm - 2:30pm	Seats (Total: 20) HJP 3127	Lab
1108	Edgar Moctezuma Tu 12:00pm - 2:00pm	Seats (Total: 20) HJP 3127	Lab

1114	Edgar Moctezuma W 12:30pm - 2:30pm	Seats (Total: 20) HJP 3127	Lab
1115	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 20) HJP 3104	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 20) HJP 3127	Lab
1117	Edgar Moctezuma Th 12:00pm - 2:00pm	Seats (Total: 20) HJP 3104	Lab

BSCI130 **Calculus for Life Sciences I**

BSCI130 *(PermReq)* **Calculus for Life Sciences I; (1 credit)** Grade Method: REG/AUD.

0111	Doron Levy W 8:00am - 8:50am	Seats (Total: 0) MTH 0403	Discussion
0121	Doron Levy W 9:00am - 9:50am	Seats (Total: 0) MTH 0403	Discussion
0131	Doron Levy W 12:00pm - 12:50pm	Seats (Total: 0) MTH 0401	Discussion
0132	Doron Levy W 12:00pm - 12:50pm	Seats (Total: 0) HBK 1112	Discussion
0141	Doron Levy W 1:00pm - 1:50pm	Seats (Total: 0) MTH 0401	Discussion
0151	Doron Levy W 2:00pm - 2:50pm	Seats (Total: 0) HBK 1112	Discussion

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105 or equivalent. Formerly ZOOL201. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a $40.00 Laboratory Materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab

0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0117	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0118	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 1:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab

BSCI205 Environmental Science

BSCI205 Environmental Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly PBIO235. Basic ecological principles as they relate to the ecological dilemmas of overpopulation, pollution, increasing consumption of natural resources, and deteriorating land use ethics facing mankind today. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: BIOL).

0103	Penelope Koines MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 21) HJP 2242 PLS 1158	Discussion
0105	Penelope Koines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 21) HJP 2242 PLS 1162	Discussion
0106	Penelope Koines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 21) HJP 2242 PLS 1162	Discussion
FC01	Karen Nelson MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 31) JRN 1105	

BSCI206 **Chesapeake: A Living Resource**

BSCI206 Chesapeake: A Living Resource; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: BSCI206 or BSCI373. Formerly PBIO255. The living resources of the Chesapeake Bay from an ecosystem perspective. Designed for non-science majors, it will acquaint students with the Bay's watershed, its physical environment, and its living organisms, with an emphasis on the connections between these factors. Understanding the relationships between physical, chemical and biological processes will equip students to comprehend and appreciate the remarkable productivity of our estuary, as well as provide them with the knowledge needed to protect the Bay. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

FC01	Mary Kellogg TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 17) CHM 1224	

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Charles Delwiche, Vedham Karpakakunjaram MWF 9:00am - 9:50am	Seats (Total: 230) SKN 0200	
0201	William Jeffery, William Higgins MWF 11:00am - 11:50am	Seats (Total: 230) HJP 0226	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}. Credit will be granted for only one of the following: BIOL222 or BSCI222. Formerly BIOL222. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

2120	Patricia Shields MWF 1:00pm - 1:50pm M 8:00am - 9:50am	Seats (Total: 21) BRB 1101 PLS 1168	Discussion
2121	Patricia Shields MWF 1:00pm - 1:50pm M 10:00am - 11:50am	Seats (Total: 21) BRB 1101 PLS 1158	Discussion
2122	Patricia Shields MWF 1:00pm - 1:50pm M 5:00pm - 6:50pm	Seats (Total: 21) BRB 1101 PLS 1146	Discussion

2123	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 9:50am	Seats (Total: 21) BRB 1101 PLS 1168	Discussion
2124	Patricia Shields MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 21) BRB 1101 PLS 1164	Discussion
2125	Patricia Shields MWF 1:00pm - 1:50pm Tu 12:00pm - 1:50pm	Seats (Total: 21) BRB 1101 PLS 1164	Discussion
2127	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 9:50am	Seats (Total: 21) BRB 1101 PLS 1115	Discussion
2130	Patricia Shields MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 22) BRB 1101 PLS 1162	Discussion
2132	Patricia Shields MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 21) BRB 1101 PLS 1164	Discussion
2135	Patricia Shields MWF 1:00pm - 1:50pm Th 10:00am - 11:50am	Seats (Total: 21) BRB 1101 PLS 1168	Discussion
2137	Patricia Shields MWF 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 21) BRB 1101 PLS 1164	Discussion
2211	Thomas Kocher TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 21) HJP 0226 PLS 1168	Discussion
2215	Thomas Kocher TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 21) HJP 0226 PLS 1168	Discussion

2221	Thomas Kocher TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 PLS 1168	Discussion
2231	Thomas Kocher TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 21) HJP 0226 PLS 1172	Discussion
2261	Thomas Kocher TuTh 11:00am - 12:15pm W 7:00pm - 8:50pm	Seats (Total: 21) HJP 0226 PLS 1158	Discussion
2267	Thomas Kocher TuTh 11:00am - 12:15pm Th 4:00pm - 5:50pm	Seats (Total: 21) HJP 0226 BPS 1232	Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. Required for all MICB majors. (Sponsoring Dept.: CBMG). Students must pay a $40.00 Laboratory Materials fee.

1101	Kevin McIver, Ann Smith TuTh 9:30am - 10:20am MW 10:00am - 11:50am	Seats (Total: 18) BRB 1101 MCB 1201	Lab
1106	Ann Smith, Kevin McIver TuTh 9:30am - 10:20am MW 10:00am - 11:50am	Seats (Total: 18) BRB 1101 MCB 1206	Lab
1201	Ann Smith, Kevin McIver TuTh 9:30am - 10:20am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1201	Lab

1221	Kevin McIver, Ann Smith TuTh 9:30am - 10:20am TuTh 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
1225	Kevin McIver, Ann Smith TuTh 9:30am - 10:20am TuTh 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
1301	Kevin McIver, Ann Smith TuTh 9:30am - 10:20am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
1321	Ann Smith, Kevin McIver TuTh 9:30am - 10:20am TuTh 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
2105	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
2121	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
2125	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
2126	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
2205	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
2206	Ann Smith, Kevin McIver TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab

2226	Ann Smith, Kevin McIver TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
2305	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
2306	Kevin McIver, Ann Smith TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
2325	Ann Smith, Kevin McIver TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
SEF1	Keith Lampel TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	Seats (Total: 18) MCB 1207 MCB 1201	 Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success in Chemical and Life Sciences**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success in Chemical and Life Sciences; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Joelle Presson F 12:00pm - 2:00pm	Seats (Total: 20) CSI 2107
0102	Marcia Shofner F 12:00pm - 2:00pm	Seats (Total: 20) CSI 2118

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Patrick Kanold Contact instructor or department for details.	Seats (Total: 10)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI279T **Supplemental Study; Tech Apprentice Program**

BSCI279T Supplemental Study: Tech Apprentice Program; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jun Yang, Deborah Mateik, Mike Landavere F 1:00pm - 3:30pm	Seats (Total: 7) PLS 1129

0201	Jun Yang, Deborah Mateik	Seats (Total: 8)
	F 1:00pm - 3:30pm	PLS 1129
	On some Fridays, the class will meet on-line instead of in the classroom.	

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. This course provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F.
Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major. (Sponsoring Dept.: BIOL).

1357	Marcia Shofner	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C(2.0) or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring DEPT: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Ibrahim Ades MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Ibrahim Ades MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0103	Ibrahim Ades MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0104	Ibrahim Ades MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0105	Ibrahim Ades MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0106	Ibrahim Ades MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0107	Ibrahim Ades MWF 9:00am - 9:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Ibrahim Ades MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0109	Ibrahim Ades MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0110	Ibrahim Ades MWF 9:00am - 9:50am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0111	Ibrahim Ades MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0112	Ibrahim Ades MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
SEF1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm	Seats (Total: 24) PLS 1117 BPS 0207	Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SG91	Rashidul Alam TuTh 11:00am - 12:20pm M 3:00pm - 6:00pm	Seats (Total: 40) SGII 2052 SGII 4012	Lab
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BSCI338B **Special Topics in Biology; Marine Biology**

BSCI338B Special Topics in Biology: Marine Biology; (3 credits) Grade Method: REG/P-F/AUD.

Specialization Areas: GENB and ECEV.

0101	Marjorie Reaka TuTh 11:00am - 12:15pm	Seats (Total: 30) BPS 1238	

BSCI338C **Special Topics in Biology; Genomics of Sensory Systems**

BSCI338C Special Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG/P-F/AUD.
An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems and sensory ecology. Acceptable toward Biological Sciences specialization areas: PHNB and GENB. Sponsoring DEPT: BIOL. Prerequisites: BSCI222 or permission of instructor.

0101	Karen Carleton	Seats (Total: 10)
	MW 2:00pm - 2:50pm	BPS 1230

BSCI338I **Special Topics in Biology; Invertebrate Biology**

BSCI338I Special Topics in Biology: Invertebrate Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106. Acceptable for Biological Sciences specialization areas MARB (marine diversity area), ECEV and GENB. (Sponsoring Department:BIOL).

0101	Alexandra Bely	Seats (Total: 20)
	MWF 11:00am - 11:50am	PLS 1119

BSCI338N **Special Topics in Biology; Diseases of the Nervous System**

BSCI338N Special Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG/P-F/AUD.
Specialization Areas: PHNB and GENB.

0101	Avis Cohen	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117
	An advanced course covering the function and organization of the nervou system as revealed by pathology and disease. Acceptable toward Biologi cal Sciences specialization areas: PHNB, ZOOL, and GENB. Sponsoring DEP T: BIOL.	

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information. Formerly ZOOL 328Z. (Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
May be repeated but only 3 credits may be applied to major requirements. (Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Undergraduate Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Ann Smith	Seats (Total: 25)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Click here for more course information.

0101	David Straney Contact instructor or department for details.	Seats (Total: 10)	

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and BSCI106 and BSCI222. Formerly ZOOL360.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. Acceptable toward Biological Sciences specialization areas: PHNB, and GENB. (Sponsoring Dept.: BIOL).

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1113	 Discussion

BSCI361 **Principles of Ecology**
Contact department for information to register for this course.

BSCI362 **Ecology of Marsh and Dune Vegetation**

BSCI362 Ecology of Marsh and Dune Vegetation; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly PBIO455. An examination of the biology of higher plants in dune and marsh ecosystems. Applies to Biological Sciences Specialization Areas: ECEV and GENB. This course requires one Saturday field trip on a date TBA in class. (Sponsoring Dept.: BIOL).

0101	Penelope Koines	Seats (Total: 40)
	TuTh 12:30pm - 1:20pm	HJP 1229

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL328Q. Understanding evolutionary processes in a natural and human environment, including adaption; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV. (Sponsoring Dept.: BIOL)

0101	Charles Fenster	Seats (Total: 90)
	TuTh 11:00am - 12:15pm	PLS 1140

BSCI373 **Natural History of the Chesapeake Bay**

BSCI373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota. Also offered as ENST373. Credit will be granted for only one of the following: BSCI373, ENST373, or ENST499G. Specialization Areas: GENB and ECEV.

0101	Patrick Kangas	Seats (Total: 75)
	MWF 3:00pm - 3:50pm	ANS 0408

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Repeatable to 6 credits. Formerly MICB388H. Required seminar for all students participating in departmental honors research program. Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the web site for detailed information. Web site: http://www.life.umd.edu/CBMG/progrms/department/honors.html Click here for more course information.

0101	Byrn Quimby	Seats (Total: 18)
	F 2:00pm - 2:50pm	HJP 1216

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission required. Formerly MICB399G. (Sponsoring Dept: CBMG). http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Formerly MICB379. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. Corequisite: BSCI 378H. Only open to CBMG departmental honors students. (Sponsoring Dept.: CBMG). If you are interested in joining the CBMG Departmental Honors Program, please see detailed information on the program web site. Web site: http://www.life.umd.edu/CBMG/progrms/department/honors.html Click here for more course information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission required. Formerly PBIO399. (Sponsering Dept: CBMG). http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI380 **Bioinformatics and Integrated Genomics**

BSCI380 Bioinformatics and Integrated Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: A grade of C (2.0) or better is required in (BSCI106 and BSCI222 and {MATH141 or MATH221}). Recommended: BSCI370. Credit will be granted for only one of the following: BSCI348S or BSCI380. Formerly BSCI348S. Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic methods, pattern recognition, and functional inference. Functional and comparative genomics approaches. (Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee. Click here for more course information.

0101	Najib El-Sayed MWF 10:00am - 10:50am M 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab
0102	Najib El-Sayed MWF 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab

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BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ENTM 399. (Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI392 **Biology of Extinct Animals**

BSCI392 Biology of Extinct Animals; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106. Credit will be granted for only one of the following: BSCI392 or ZOOL396. Formerly ZOOL396.* A survey of extinct animals that have few, if any, direct living descendants. The principles governing the functional design of animals will be used to infer life styles for extinct, and frequently bizarre, organisms. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 55)	
	MWF 9:00am - 9:50am	PLS 1130	

BSCI393 **Biology of Extinct Animals Laboratory**

BSCI393 Biology of Extinct Animals Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI392. Formerly: BSCI338W/ZOOL328W. Credit will be granted for only one of the following: BSCI392 or BSCI338W or ZOOL328W. An overview of the techniques used in paleobiological reconstructions of extinct animals. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 24)	
	Th 2:00pm - 5:00pm	HJP 1125	Lab

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ZOOL308H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept. :BIOL).

1000	Marjorie Reaka M 4:00pm - 5:00pm	Seats (Total: 15) BPS 1230

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. Formerly ZOOL318H. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. Fomerly ZOOL 318H. (Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). Formerly ZOOL446. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG. (Sponsoring Dept.: CBMG).

0101	Stephen Mount TuTh 11:00am - 12:15pm	Seats (Total: 70) BPS 1250
0201	Byrn Quimby TuTh 2:00pm - 3:15pm	Seats (Total: 60) BPS 1243

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222. Formerly MICB453.* An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. (Sponsoring Dept.: CBMG). Students must pay a $40.

0101	Caren Chang	Seats (Total: 18)	
	TuTh 12:30pm - 4:30pm	MCB 1207	
	TuTh 12:30pm - 4:30pm	MCB 1143	Lab
0102	Caren Chang	Seats (Total: 18)	
	TuTh 12:30pm - 4:30pm	MCB 1207	
	TuTh 12:30pm - 4:30pm	MCB 1135	Lab

BSCI415 **Molecular Genetics Laboratory**

BSCI415 Molecular Genetics Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI410. Junior standing. Credit will be granted for only one of the following: BSCI348G or BSCI415. Formerly BSCI348G. Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function. Specialization Areas: CEBG and GENB.

0101	David Straney	Seats (Total: 18)	
	TuTh 2:00pm - 5:00pm	HJP 2226	Lab

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230/BSCI330 and BSCI222 and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Formerly ZOOL410. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

0101	Hey-Kyoung Lee	Seats (Total: 25)	
	MWF 12:00pm - 12:50pm	BPS 1250	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F. *Prerequisites: BSCI230/BSCI330 and BSCI222 and CHEM233. Formerly: PBIO400 and ZOOL411. Credit will be granted for only one of the following: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. Applies toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. (Sponsoring Dept.: BIOL). Students must pay a $40.00 Laboratory Materials fee.

0101	Hey-Kyoung Lee MWF 12:00pm - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0102	Hey-Kyoung Lee MWF 12:00pm - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0103	Hey-Kyoung Lee MWF 12:00pm - 12:50pm Th 2:00pm - 6:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0104	Hey-Kyoung Lee MWF 12:00pm - 12:50pm M 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG. *Prerequisites: BSCI222 and BSCI223. Recommended: BSCI230. Junior or Senior standing. Formerly MICB454.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

SEF1	Carol Pontzer W 6:00pm - 9:00pm	Seats (Total: 30) MCB 1207	
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

BSCI424 **Pathogenic Microbiology**

BSCI424 Pathogenic Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223. Formerly MICB440.* The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects. Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). (Sponsoring Dept.: CBMG). Students must pay a $40.00 Laboratory Materials fee.

0101	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 9:00am - 10:50am	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0103	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 11:00am - 12:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0105	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0106	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) JMZ 0220 MCB 1135	 Lab
0107	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 3:00pm - 4:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab

SEF1	David Rollins	Seats (Total: 18)	
	TuTh 7:00pm - 7:50pm TuTh 8:00pm - 10:00pm	BPS 1250 MCB 1135	Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SG91	David Rollins	Seats (Total: 30)	
	MW 11:00am - 11:50am MW 12:00pm - 1:50pm	SGII 3042 SGII 4102	Lab
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB420. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics.

SG91	David Rollins	Seats (Total: 30)	
	F 10:00am - 11:50am F 12:00pm - 12:50pm	SGII 3022 SGII 3022	Discussion
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BSCI426 **Membrane Biophysics**

BSCI426 Membrane Biophysics; (3 credits) Grade Method: REG/P-F. CORE Capstone (CS) Course.
Prerequisites: BSCI230; and (PHYS122 or PHYS142) and (MATH140 or MATH220). Formerly ZOOL413. Quantitative aspects of biology and the use of mathematical descriptions of biological phenomena. The focus will be on membrane structure, transport, and bioenergetics. Sponsoring DEPT: BIOL Specialization Areas: CEBG, PHNB and GENB. Click here for more course information.

0101	Marco Colombini	Seats (Total: 20)	
	TuTh 4:00pm - 5:15pm	PLS 1180	

BSCI434 **Mammalian Histology**

BSCI434 Mammalian Histology; (4 credits) Grade Method: REG. *Prerequisites: BSCI230/BSCI330 and BSCI440; or permission of department. Formerly ZOOL495.* A study of the microscopic anatomy, ultrastructure and histophysiology of tissues and organs of mammals. Sponsoring DEPT: BIOL. Students must pay a $40.00 Laboratory Materials fee.

0101	Reid Compton	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	PLS 1158	
	MW 3:30pm - 5:00pm	BPS 0275	Lab

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 or permission of department. Junior standing. Formerly MICB460.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. Acceptable toward Biological Sciences Specialization Areas: GENB (Category 1), MICB and CMBG.

0101	Jonathan Dinman	Seats (Total: 60)
	MWF 11:00am - 11:50am	BPS 1243

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230/BSCI330 and CHEM233 or permission of department. Formerly ZOOL422.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). Applies to Biological Sciences Specialization Areas: PHNB and GENB. (Sponsoring Dept.: BIOL).BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

0101	Sergei Sukharev MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 35) BPS 1250 PLS 1113	 Discussion
0102	Sergei Sukharev MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 35) BPS 1250 PLS 1117	 Discussion
0103	Sergei Sukharev MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 30) BPS 1250 BPS 1234	 Discussion
0105	Sergei Sukharev MWF 10:00am - 10:50am W 11:00am - 1:00pm	Seats (Total: 35) BPS 1250 PLS 1113	 Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Formerly ZOOL423. Laboratory exercises in experimental mammalian physiology. Applies to Biological Sciences SpecializationAreas: PHNB and GENB. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Pamela Lanford M 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	 Lab
0102	Pamela Lanford Tu 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	 Lab
0103	Pamela Lanford W 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	 Lab
0104	Pamela Lanford Th 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	 Lab

BSCI442 **Plant Physiology**

BSCI442 Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and CHEM233 or (CHEM231 and CHEM232). Formerly PBIO420.* A survey of the general physiological activities of plants. Course is taught in the Fall semester only. (Sponsoring Dept.: CBMG). Applies to Biological Sciences Specialization Areas: PHNB and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Heven Sze	Seats (Total: 18)	
	TuTh 11:00am - 12:15pm M 6:00pm - 9:00pm	HJP 2242 HJP 2230	Lab
0104	Heven Sze	Seats (Total: 18)	
	TuTh 11:00am - 12:15pm Tu 1:00pm - 4:00pm	HJP 2242 HJP 2230	Lab

BSCI443 **Microbial Physiology**
Contact department for information to register for this course.

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230/BSCI330 and CHEM233 and CHEM243. Formerly ZOOL426.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. Sponsoring DEPT: BIOL Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei	Seats (Total: 49)	
	MWF 10:00am - 10:50am	HJP 2242	

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better in ({BSCI230 or BSCI330} and {CHEM231 andCHEM232} and PHYS122). Credit will be granted for only one of the following: BSCI444 or BSCI445 or BSCI453. Formerly BSCI444.* The cellular and molecular basis of nervous system function. Acceptable toward Biological Sciences specialization areas: CEBG, PHNB and GENB. Sponsoring DEPT: BIOL.

0101	Richard Payne TuTh 12:30pm - 1:45pm	Seats (Total: 146) BPS 1250	

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG. *Prerequisite: {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122; and pre- or corequisite: {BSCI453 or BSCI446}. Credit will be granted for only one of the following: BSCI445 or BSCI454. Formerly BSCI445.* Grade of C (2.0) required in all course pre-requisites. Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. Specialization areas: CEBG, PHNB, and GENB. (Sponsoring Dept.: BIOL). Students must pay a $40.00 Laboratory Materials fee.

0101	Pamela Lanford M 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0102	Pamela Lanford Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0103	Pamela Lanford W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0104	Pamela Lanford W 6:00pm - 9:00pm	Seats (Total: 20) BPS 0213	Lab
0105	Pamela Lanford Th 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab

BSCI462 **Population Ecology**

BSCI462 Population Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and MATH220. Formerly ZOOL470.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics. Specialization areas: EDEV and GENB. Sponsoring dept. :BIOL.

0101	Douglas Gill MWF 9:00am - 9:50am	Seats (Total: 40) PLS 1140	

BSCI467 **Freshwater Biology**

BSCI467 Freshwater Biology; (4 credits) Grade Method: REG/P-F.
Prerequisite: BSCI227 or permission of department. Formerly ENTM482. Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications. Specialization Areas: ECEV and GENB.

0101	William Lamp	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PLS 1117	
	W 2:00pm - 5:00pm	PLS 1161	Lab

BSCI474 **Mathematical Biology**

BSCI474 Mathematical Biology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH220 and MATH221. Formerly ZOOL425. Mathematical methods for analyzing deterministic and stochastic biological processes from a variety of areas (including population and evolutionary biology, neurobiology, physiology and morphogenesis). Qualitative aspects of dynamical systems which are usually given as difference or differential equations. The computer program Mathematica will be used to obtain the numerical solutions of these equations. Specialization Areas: PHNB, ECEV and GENB.

0101	Jonathan Simon	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	PLS 1158	
	W 2:00pm - 4:00pm	PLS 1129	Lab

BSCI481 **Insect Diversity and Classification**

BSCI481 Insect Diversity and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI227 or permission of department. Formerly ENTM424. The techniques of collecting insects in the field and their classification into the latest hierarchical scheme. Field trips will visit habitats throughout the state. An insect collection is required. Specialization Areas: ECEV and GENB.

0101	Jeffrey Shultz M 11:00am - 11:50am WF 9:00am - 12:00pm	Seats (Total: 24) PLS 1161 PLS 1161	 Lab

BSCI494 **Animal-Plant Interactions**

BSCI494 Animal-Plant Interactions; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and (BSCI227, or BSCI224, or permission of department). Credit will be granted for only one of the following: BSCI494 or ENTM400. Formerly ENTM400.* Theoretical, conceptual and applied aspects of the ecological interactions between plants and animals. Specialization Areas: ECEV and GENB.

0101	Pedro Barbosa TuTh 9:30am - 10:45am	Seats (Total: 35) PLS 1119

BSOS Behavioral and Social Sciences Fall 2008

BSOS181 **Civicus Student and the University**

BSOS181 Civicus Student and the University; (1 credit) Grade Method: REG/P-F/AUD.
Open to Civicus students only. Freshman standing. Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement. Restricted to CIVICUS first year students.

0101	James Bond M 2:00pm - 3:45pm	Seats (Total: 24) SOM 0101
0201	Wendy Wagner Tu 2:00pm - 3:45pm	Seats (Total: 21) SOM 0101
0301	Wendy Wagner W 2:00pm - 3:45pm	Seats (Total: 24) SOM 0101
0401	Joseph Williams Tu 2:00pm - 3:45pm	Seats (Total: 15) SOM 0110

BSOS188T **Selected Topics in the Behavioral and Social Sciences; Transfer Students in BSOS**

BSOS188T *(PermReq)* **Selected Topics in the Behavioral and Social Sciences: Transfer Students in BSOS; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Melissa Kamin, Karmin Cortes **Meets September 2, 2008 - October 21, 2008** Tu 3:00pm - 4:50pm	Seats (Total: 30) JMZ 0122

BSOS191 **Introduction to Civicus**

BSOS191 Introduction to Civicus; (3 credits) Grade Method: REG.
Open to Civicus students only. 3 semester hours. An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services. Restricted to CIVICUS first year students.

0101	Sue Briggs TuTh 9:30am - 10:45am	Seats (Total: 26) SOM 0101
0201	Sue Briggs TuTh 11:00am - 12:15pm	Seats (Total: 26) SOM 0101
0301	Sue Briggs TuTh 4:00pm - 5:15pm	Seats (Total: 26) SOM 0101

BSOS288A **Special Topics in Behavioral and Social Sciences; Peer Mentoring**

BSOS288A *(PermReq)* **Special Topics in Behavioral and Social Sciences: Peer Mentoring; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke Contact instructor or department for details.	Seats (Total: 25)

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 20)

BSOS301 **Leadership in a Multicultural Society**

BSOS301 *(PermReq)* **Leadership in a Multicultural Society; (3 credits)** Grade Method: REG.
Prerequisites: SOCY105, BSOS181,and BSOS191. Sophomore standing. A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.

0101	Sue Briggs MW 12:30pm - 1:45pm	Seats (Total: 22) SOM 0101
0201	Rhondie Voorhees TuTh 12:30pm - 1:45pm	Seats (Total: 22) SOM 0101
0301	Sue Briggs MW 4:00pm - 5:15pm	Seats (Total: 22) SOM 0101

BSOS309 **Civicus Seminar**

BSOS309 *(PermReq)* **Civicus Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 10)

BSOS330 **Terrorist Motivations and Behaviors**

BSOS330 *(PermReq)* **Terrorist Motivations and Behaviors; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students admitted into the Terrorism Studies Minor Program. An exploration of theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history. Examination of historical examples as well as current examples of terrorist groups operating throughout the world.

0101	Gary Ackerman M 1:00pm - 3:45pm	Seats (Total: 35) HBK 0105

BSOS332 **The Practice of Terrorism Studies**

BSOS332 *(PermReq)* **The Practice of Terrorism Study; (5 credits)** Grade Method: REG/P-F/AUD.

0101	Kathleen Smarick, Gary LaFree Tu 4:00pm - 6:45pm Contact instructor or department for details.	Seats (Total: 35) TYD 0111

BSOS386 **Experiential Learning**

BSOS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

BSOS388 **Behavioral and Social Sciences Special Topics**

BSOS388 Behavioral and Social Sciences Special Topics; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388A **Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**

BSOS388A *(PermReq)* **Behavioral and Social Sciences Special Topics: Editorial Skills and Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui Contact instructor or department for details.	Seats (Total: 2)

BSOS388B **Behavioral and Social Sciences Special Topics; Innovation and Terrorist Tactics**

BSOS388B *(PermReq)* **Behavioral and Social Sciences Special Topics: Innovation and Terrorist Tactics; (3 credits)** Grade Method: REG/P-F/AUD. Interested students should contact Dr. Kate Worboys via email at kworboys@start.umd.edu. Please click here for further information.

0101	Laura Dugan	Seats (Total: 30)
	W 4:00pm - 6:30pm	ASY 3211

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388L **Behavioral and Social Sciences Special Topics; Advanced Peer Training**

BSOS388L *(PermReq)* **Behavioral and Social Sciences Special Topics: Advanced Peer Training; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke	Seats (Total: 10)
	Contact instructor or department for details.	

BSOS399 **Directed Study in Behavioral and Social Sciences**

BSOS399 *(PermReq)* **Directed Study in Behavioral and Social Sciences; (1-6 credits)** Grade Method: REG/P-F/AUD.

0201	Eric Wish	Seats (Total: 10)
	Contact instructor or department for details.	
0301	Sue Briggs	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS399A **Directed Study in Behavioral and Social Sciences; Introduction to Arab-Islamic Civilization**
Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences; Directed Research in International Development**

BSOS399B Directed Study in Behavioral and Social Sciences: Directed Research in International Development; (4 credits) Grade Method: REG/P-F/AUD.

0101	John Grayzel	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**

BSOS399C *(PermReq)* **Directed Study in Behavioral and Social Sciences: Civicus Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 12)
	Contact instructor or department for details.	

BSOS399J **Directed Study in Behavioral and Social Sciences; Independent Study in Terrorism Studies**

BSOS399J *(PermReq)* **Directed Study in Behavioral and Social Sciences: Independent Study in Terrorism Studies; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399O **Directed Study in Behavioral and Social Sciences; Teaching on the Topic of Terrorism**

BSOS399O *(PermReq)* **Directed Study in Behavioral and Social Sciences: Teaching on the Topic of Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Laura Dugan	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399Z **Directed Study in Behavioral and Social Sciences; The Role of Religion in Conflict and Resolution**

Contact department for information to register for this course.

BSOS608 **LEAD Professional Seminar**

BSOS608 *(PermReq)* **LEAD Professional Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Darlene Iskra	Seats (Total: 15)
	Contact instructor or department for details.	

BSOS611 **Moral Reasoning and the Company Officer**

BSOS611 Moral Reasoning and the Company Officer; (3 credits) Grade Method: REG/AUD.

Prerequisite: Approved member of LEAD Cohort. This course examines classical views of moral and ethical reasoning in the context of one's serving as a Company Officer at the Naval Academy. The intent is to expose students to a wide range of scholarly opinions regarding moral and ethical thought. Students will then apply principles, ideas, and fundamental conceptions to their future role as Company Officers in the Brigade of Midshipmen. Contemporary articles promoting moral integrity, reasoning, and the development of ethical leadership are emphasized. The course relies heavily on case studies. Students will assess situations, diagnose issues, design and apply interventions, and assess intervention results.

0101	James Campbell	Seats (Total: 16)
	F 1:30pm - 4:00pm	Location: TBA

BSOS688 **Directed Study in Advanced Social Science Research**

BSOS688 *(PermReq)* **Directed Study in Advanced Social Science Research; (3 credits)** Grade Method: REG/AUD.

0101	Suheil Bushrui	Seats (Total: 2)
	Contact instructor or department for details.	

BUAC Accounting and Information Assurance — Fall 2008

BUAC758B **Special Topics in Accounting and Information Assurance; Tax Considerations for Strategic Management Decisions**

BUAC758B Special Topics in Accounting and Information Assurance: Tax Considerations for Strategic Management Decisions; (2 credits) Grade Method: REG.

DC01	Eugene Cantor **Meets August 28, 2008 - October 9, 2008** Th 6:25pm - 10:00pm	Seats (Total: 35) DC C5

BUAC758D **Special Topics in Accounting and Information Assurance; International Accounting: A Managerial Perspective**

BUAC758D Special Topics in Accounting and Information Assurance: International Accounting: A Managerial Perspective; (2 credits) Grade Method: REG.

0101	Gary Bulmash **Meets August 27, 2008 - October 15, 2008** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1505
DC06	Gary Bulmash **Meets October 25, 2008 - December 13, 2008** Sa 1:40pm - 5:50pm *Meets 10/25, 11/1, 11/15, 11/22, 12/6, 12/13.*	Seats (Total: 35) DC C5

BUAC758J **Special Topics in Accounting and Information Assurance; Financial Statement Analysis**

Any remaining seats in BUAC courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUAC course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUAC758J Special Topics in Accounting and Information Assurance: Financial Statement Analysis; (2 credits) Grade Method: REG.

Non-majors should review their registration eligibility in the statement preceding the BUAC courses.

0101	Gary Bulmash **Meets October 27, 2008 - December 10, 2008** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1520

BUAC758X **Special Topics in Accounting and Information Assurance; Advanced Managerial Accounting and Control Systems**

BUAC758X Special Topics in Accounting and Information Assurance: Advanced Managerial Accounting and Control Systems; (3 credits) Grade Method: REG.

GS06	Colin Linsley **Meets August 30, 2008 - November 22, 2008** Sa 1:00pm - 5:00pm *Meets 8/30, 9/6, 9/13, 9/20, 9/27, 10/11, 10/25, 11/1, 11/15, Final 11/22.*	Seats (Total: 0) SGII 1032

BUAC758Z **Special Topics in Accounting and Information Assurance; Financial Statement Analysis**

BUAC758Z Special Topics in Accounting and Information Assurance: Financial Statement Analysis; (3 credits) Grade Method: REG.

GS06	Gary Bulmash	Seats (Total: 0)
	Meets August 30, 2008 - November 22, 2008	
	Sa 8:00am - 12:00pm	SGII 1032
	Meets 8/30, 9/6, 9/13, 9/20, 9/27, 10/4, 10/11, 10/25, 11/1, 11/15, Final 11/22.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT Decision and Information Technologies Fall 2008

BUDT724 **Operations Management**

BUDT724 Operations Management; (3 credits) Grade Method: REG. *Prerequisite: BUSI 630 or permission of instructor. Credit will be granted for only one of the following: BMGT 734 or BUDT 724. Formerly BMGT734.* This course examines the strategic role of operations management, that is, the management of business processes, and offers tools and techniques that firms use for strategy execution in delivering products and services. A wide range of topics are covered, such as operations strategy, process analysis and design, capacity management and bottlenecks, waiting lines, quality management and six-sigma. Also covers areas of supply-chain management, including forecasting, JIT and lean operations, sales and operations planning, and inventory management.

DC01	Bellur Srikar	Seats (Total: 40)
	Meets August 27, 2008 - December 11, 2008	
	M 7:00pm - 9:40pm	DC C4
	The initial class meeting will take place on Wednesday, August 27, 2008 from 7:00 - 9:40 p.m.	

BUDT733 **Data Mining for Business**

BUDT733 Data Mining for Business; (3 credits) Grade Method: REG.
Prerequisite: BUSI 630. Credit will be granted for only one of the following: BMGT 733 or BUDT 733. Formerly BMGT733. Data mining techniques and their use in strategic business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

BA01	Inbal Shenberger Tu 7:00pm - 9:40pm	Seats (Total: 40) BA 150
DC01	Herbert Edelstein **Meets August 28, 2008 - December 11, 2008** Th 7:00pm - 9:40pm	Seats (Total: 40) DC C2

BUDT758F **Special Topics in Decision and Information Technologies; Strategic Procurement**

BUDT758F Special Topics in Decision and Information Technologies: Strategic Procurement; (2 credits) Grade Method: REG.

DC01	Joseph Bailey **Meets September 2, 2008 - October 14, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C5

BUDT758K **Special Topics in Decision and Information Technologies; Business Process Analysis for Information System Design**

BUDT758K Special Topics in Decision and Information Technologies: Business Process Analysis for Information System Design; (2 credits) Grade Method: REG.

GS01	Taverekere Srikantaiah **Meets August 27, 2008 - October 15, 2008** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:25-10:00 p.m.*	Seats (Total: 35) SGII 3062

BUDT758N **Special Topics in Decision and Information Technologies; Managing Emerging Technologies**

BUDT758N Special Topics in Decision and Information Technologies: Managing Emerging Technologies; (2 credits) Grade Method: REG.

DC06	Anand Gopal **Meets August 30, 2008 - October 18, 2008** Sa 8:40am - 12:50pm *Meets 8/30, 9/6, 9/20, 9/27, 10/11, and 10/18.*	Seats (Total: 35) DC C4

BUDT758P **Special Topics in Decision and Information Technologies; Project Management in Dynamic Enviroments**

BUDT758P Special Topics in Decision and Information Technologies: Project Management in Dynamic Enviroments; (2 credits) Grade Method: REG.

0101	Barnet Corwin **Meets August 28, 2008 - October 15, 2008** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1520
DC06	Barnet Corwin **Meets October 25, 2008 - December 13, 2008** Sa 1:40pm - 5:50pm *Meets 10/25, 11/1, 11/15, 11/22, 12/6, and 12/13.*	Seats (Total: 35) DC C4

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN Finance Fall 2008

BUFN726 **Futures and Options Contract**

BUFN726 Futures and Options Contract; (3 credits) Grade Method: REG. *Prerequisite: BUSI 640. Credit will be granted for only one of the following: BMGT 744 or BUFN 726. Formerly BMGT744.* The institutional features and economic rationale underlying markets in futures and options. Valuation of futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets, and stock and commodity options. Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Dilip Madan **Meets September 8, 2008 - December 15, 2008** M 9:30am - 12:00pm	Seats (Total: 40) VMH 1418
DC01	Dilip Madan **Meets September 8, 2008 - December 15, 2008** M 7:00pm - 9:40pm	Seats (Total: 40) DC C6

BUFN731 **Fixed Income Securities**

BUFN731 Fixed Income Securities; (3 credits) Grade Method: REG. *Corequisite: BUFN 700. For BMGT majors only.* Focuses on understanding financial instruments that have market values which are sensitive to interest rate movements. Develop tools to analyze interest rate sensitivity and value fixed income securities. Topics include a variety of fixed income assets and related securities, including: zero coupon government bonds; coupon bearing government bonds; exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars and floors; floating rate notes with embedded options; forward contracts; interest rate swaps; bond futures and options on bond futures. Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Mark Taranto **Meets August 28, 2008 - December 10, 2008** TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206
DC01	Mark Taranto Tu 7:00pm - 9:40pm	Seats (Total: 40) DC C2

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN758A **Special Topics in Finance; Applied Equity Analysis and Portfolio Management**

BUFN758A Special Topics in Finance: Applied Equity Analysis and Portfolio Management; (2 credits) Grade Method: REG.
Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Sarah Kroncke **Meets August 28, 2008 - October 15, 2008** TuTh 9:00am - 10:50am	Seats (Total: 35) VMH 1511
DC01	Joseph Perfetti **Meets October 23, 2008 - December 11, 2008** W 6:25pm - 10:00pm	Seats (Total: 35) DC C4
DC06	Michael Lee **Meets October 23, 2008 - December 13, 2008** Sa 1:40pm - 5:50pm	Seats (Total: 35) DC C2
GS01	Joseph Perfetti **Meets October 23, 2008 - December 11, 2008** M 6:25pm - 10:00pm	Seats (Total: 35) SGII 3062

BUFN758B **Special Topics in Finance; Advanced Corporate Finance**

BUFN758B Special Topics in Finance: Advanced Corporate Finance; (2 credits) Grade Method: REG.

0101	Mark Taranto **Meets October 23, 2008 - December 11, 2008** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1520

BA01	Mark Taranto **Meets October 23, 2008 - December 11, 2008** W 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC06	Mark Taranto **Meets October 25, 2008 - December 13, 2008** Sa 8:40am - 12:50pm *Meets 10/25, 11/1, 11/15, 11/22, 12/6, and 12/13.*	Seats (Total: 35) DC C2

BUFN758R **Special Topics in Finance; Financial Restructuring and Strategy**

BUFN758R Special Topics in Finance: Financial Restructuring and Strategy; (2 credits) Grade Method: REG/AUD.
Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Gerard Hoberg **Meets August 27, 2008 - October 15, 2008** MW 1:00pm - 2:50pm	Seats (Total: 42) VMH 1520
BA01	Gerard Hoberg **Meets September 2, 2008 - October 15, 2008** W 6:25pm - 10:00pm	Seats (Total: 42) BA 150
DC01	Gerard Hoberg **Meets August 28, 2008 - October 15, 2008** Th 6:25pm - 10:00pm	Seats (Total: 42) DC C6

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BULM Logistics, Business, and Public Policy Fall 2008

BULM758A **Special Topics in Logistics, Business and Public Policy; Supply Chain Resources Planning**

BULM758A Special Topics in Logistics, Business and Public Policy: Supply Chain Resources Planning; (2 credits) Grade Method: REG.
The course will meet 11/8, 11/22 and 12/6.

GS01	Thomas Corsi, Philip Evers **Meets November 8, 2008 - December 6, 2008** Sa 8:30am - 5:50pm	Seats (Total: 23) SGII 220

BULM758D **Special Topics in Logistics, Business and Public Policy; Competing in Emerging Markets**

BULM758D Special Topics in Logistics, Business and Public Policy: Competing in Emerging Markets; (3 credits) Grade Method: REG.

DC06	Vinod Jain **Meets September 6, 2008 - October 19, 2008** SaSu 8:30am - 5:00pm *Meets 9/6, 9/20, 9/21, 10/18, and 10/19.*	Seats (Total: 40) DC C6

BULM758F **Special Topics in Logistics, Business and Public Policy; Economics of Sustainable Development**

BULM758F Special Topics in Logistics, Business and Public Policy: Economics of Sustainable Development; (2 credits) Grade Method: REG.

0101	Rachelle Sampson **Meets October 23, 2008 - December 11, 2008** TuTh 9:00am - 10:50am	Seats (Total: 35) VMH 1511

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Fall 2008

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisite: BUSI 650. Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Michel Wedel **Meets October 27, 2008 - December 10, 2008** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1418
DC01	Michel Wedel **Meets September 3, 2008 - October 15, 2008** W 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI650. For Business Majors only. Credit will be granted for only one of the following: BMGT754 or BUMK715. Formerly BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business.

BA01	Rosellina Ferraro **Meets August 27, 2008 - October 13, 2008** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:25-10:00 p.m.*	Seats (Total: 35) BA 150

BUMK736 **Service Marketing**

BUMK736 Service Marketing; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Examines special challenges service marketing poses for managers because of the intangible, heterogeneous nature of the product, and the critical role of customer contact employees in service delivery. Strategies for meeting these challanges are addressed. Topics include 1) customer relationship management, 2) the design and execution of the service delivery process, 3) the development and implementation of employee customer service skills, 4) the measurement and management of critical outcome variables, such as customer satisfaction, customer equity, and customer lifetime value, and 5) the role of emerging technology in customer service.

0101	Jerrold Van Winter **Meets August 27, 2008 - October 15, 2008** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1418
DC01	Jerrold Van Winter **Meets October 29, 2008 - December 10, 2008** W 6:25pm - 10:00pm	Seats (Total: 35) DC C5

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Credit will be granted for only one of the following: BMGT 757 or BUMK 757. Formerly BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

BA01	Roxanne Lefkoff **Meets October 27, 2008 - December 8, 2008** M 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC06	Gabriel Biehal **Meets August 30, 2008 - October 18, 2008** Sa 1:40pm - 5:50pm	Seats (Total: 35) DC C4
GS01	Gabriel Biehal **Meets October 28, 2008 - December 9, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 35) SGII 3062

BUMK758D **Special Topics in Marketing; Brand Management**

BUMK758D Special Topics in Marketing: Brand Management; (2 credits) Grade Method: REG.

0101	Rebecca Hamilton **Meets August 28, 2008 - October 14, 2008** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1207
DC06	Rebecca Hamilton **Meets October 25, 2008 - December 13, 2008** Sa 8:40am - 12:50pm *Meets 10/25, 11/1, 11/15, 11/22, 12/6, and 12/13.*	Seats (Total: 35) DC C4

GS01	Rebecca Hamilton	Seats (Total: 35)
	Meets September 2, 2008 - October 14, 2008	
	Tu 6:25pm - 10:00pm	SGII 3062

BUMK758M **Special Topics in Marketing; Marketing Communication**

BUMK758M Special Topics in Marketing: Marketing Communication; (2 credits) Grade Method: REG.

0101	Gabriel Biehal	Seats (Total: 35)
	Meets October 23, 2008 - December 11, 2008	
	TuTh 11:00am - 12:50pm	VMH 1207

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Fall 2008

BUMO714 **Executive Power and Negotiation**

Any remaining seats in BUMO courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMO714 Executive Power and Negotiation; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: BMGT 764 or BUMO 714. Formerly BMGT764.* Negotiations knowledge and skills through a series of readings (the use of power during bargaining exchanges, principles of effective listening, and bargaining strategies and tactics) and through the opportunity to practice negotiating. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0101	Joyce Russell **Meets September 3, 2008 - December 10, 2008** W 9:30am - 12:00pm	Seats (Total: 42) VMH 1520
BA01	Cynthia Stevens **Meets August 27, 2008 - December 8, 2008** M 7:00pm - 9:40pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 7:00 - 9:40 p.m. We will meet in BA730 on 8/27/08.*	Seats (Total: 40) BA 304
DC01	Jeffrey Kudisch **Meets September 3, 2008 - December 10, 2008** W 7:00pm - 9:40pm	Seats (Total: 40) DC C2

GS01	Cynthia Stevens **Meets September 3, 2008 - December 10, 2008** W 7:00pm - 9:40pm	Seats (Total: 40) SGII 3032

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (3 credits) Grade Method: REG.
Prerequisite: completion of the MBA core requirements or permission of department. Corequisite: BUSI 690. Credit will be granted for only one of the following: BMGT 767 or BUMO 751. Formerly BMGT767. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Michael Lawless **Meets August 27, 2008 - December 12, 2008** M 9:30am - 12:00pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 9:30 a.m. - 12:00 p.m.*	Seats (Total: 40) VMH 1520
BA01	Michael Lawless **Meets September 2, 2008 - December 12, 2008** Tu 7:00pm - 9:40pm	Seats (Total: 39) BA 304
DC01	Michael Lawless **Meets August 27, 2008 - December 12, 2008** M 7:00pm - 9:40pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 7:00 - 9:40 p.m.*	Seats (Total: 40) DC C2

BUMO754 **Global Strategy**

BUMO754 Global Strategy; (3 credits) Grade Method: REG.
Corequisite: BUSI 690. Credit will be granted for only one of the following: BMGT 795 or BUMO 754. Formerly BMGT795. The problems and policies of international business enterprise at the management level. Management of a multinational enterprise as well as management within foreign units. The multinational firm as a socio-econometric institution. Cases in comparative management. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0101	Paulo Prochno **Meets August 28, 2008 - December 11, 2008** TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336
GS01	Paulo Prochno **Meets August 28, 2008 - December 12, 2008** Th 7:00pm - 9:40pm	Seats (Total: 40) SGII 3042

BUMO756 **Industry and Competitor Analysis**

BUMO756 Industry and Competitor Analysis; (3 credits) Grade Method: REG.
Recommended: BUSI 690. Credit will be granted for only one of the following: BMGT 792 or BUMO 756. Formerly BMGT792. This industry and competitor analysis seminar provides students with the conceptual framework and analytical tools for understanding the dynamics of industry structure and how competitors actually interact in the marketplace. An understanding of the dynamics of competition and industry evolution is an important input in the development of an effective competitive strategy. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

DC06	Michael Chapman **Meets August 30, 2008 - December 6, 2008** Sa 8:15am - 1:00pm	Seats (Total: 40) DC C6

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

0101	Hugh Courtney **Meets October 23, 2008 - December 11, 2008** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1528
BA01	Hugh Courtney **Meets October 23, 2008 - December 11, 2008** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC01	Hugh Courtney **Meets October 23, 2008 - December 11, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Fall 2008

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 610 or BUSI 610. Formerly BMGT610. Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Gary Bulmash **Meets August 27, 2008 - October 15, 2008** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505

0201	Gary Bulmash **Meets August 27, 2008 - October 15, 2008** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
BA01	Michael Finch **Meets August 28, 2008 - October 9, 2008** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	Thomas Vermeer **Meets August 30, 2008 - October 11, 2008** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 8/30, 9/3, 9/13, 9/17, 9/27, 10/1, Final 10/11*	Seats (Total: 0) BA 304 BA 304
DC01	Michael Finch **Meets August 27, 2008 - October 13, 2008** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:25 - 10:00 p.m.*	Seats (Total: 0) DC C1
DC02	Michael Finch **Meets September 2, 2008 - October 15, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
GS01	Michael Finch **Meets September 3, 2008 - October 15, 2008** W 6:25pm - 10:00pm	Seats (Total: 0) SG3 3202
GS04	Progyan Basu **Meets August 30, 2008 - October 11, 2008** Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 8/30, 9/2, 9/13, 9/16, 9/27, 9/30, Final 10/11*	Seats (Total: 0) SG3 3202 Location: TBA

BUSI630 **Data Models and Decisions**

BUSI630 *(PermReq)* **Data Models and Decisions; (3 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 630 or BUSI 630. Formerly BMGT630.* To develop probabilistic and statistical concepts, methods and models through examples motivated by real-life data from business and to stress the role that statistics plays in the managerial decision making process. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Shreevardhan Lele **Meets August 28, 2008 - December 11, 2008** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1511
0201	Shreevardhan Lele **Meets August 28, 2008 - December 11, 2008** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1511
BA04	Bellur Srikar **Meets October 15, 2008 - December 20, 2008** W 6:00pm - 10:00pm Sa 8:30am - 12:55pm *Meets 10/15, 10/25, 10/29, 11/8, 11/12, 11/22, 11/26, 12/6, 12/10, Fina 12/20*	Seats (Total: 0) BA 304 BA 304
DC06	Kislaya Prasad **Meets August 30, 2008 - December 6, 2008** Sa 9:00am - 12:45pm	Seats (Total: 0) DC C1
GS04	Mahesh Kumar **Meets October 14, 2008 - December 20, 2008** Tu 6:00pm - 10:00pm Sa 8:30am - 12:55pm *Meets 10/14, 10/25, 10/28, 11/8, 11/11, 11/22, 11/25, 12/6, 12/9 Final 2/20.*	Seats (Total: 0) Location: TBA SG3 3241

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *For majors only or permission of department.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Manu Goyal **Meets September 3, 2008 - October 15, 2008** W 6:25pm - 10:00pm	Seats (Total: 0) BA 106
DC01	Gilvan Souza **Meets August 27, 2008 - October 15, 2008** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:25 - 10:00 p.m.*	Seats (Total: 0) DC C3
DC02	Gilvan Souza **Meets August 27, 2008 - October 15, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
GS01	Zhi-Long Chen **Meets August 28, 2008 - October 15, 2008** Th 6:25pm - 10:00pm	Seats (Total: 0) SG3 3241

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (3 credits)** Grade Method: REG. *Corequisites: BUSI 610 and BUSI 630. For BMGT majors only. Credit will be granted for only one of the following: BMGT 640 or BUSI 640. Formerly BMGT640.* Analysis of major corporate financial decisions using a market-oriented framework. Topics include capital budgeting, security portfolio theory, operation and efficiency of financial markets, options pricing, financing decisions, capital structure, payout policy and international finance. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Nagpurnanand Prabhala **Meets August 28, 2008 - December 11, 2008** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1505
0201	Nagpurnanand Prabhala **Meets August 28, 2008 - December 11, 2008** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1505
BA01	Michael Faulkender **Meets August 27, 2008 - December 8, 2008** M 6:30pm - 9:10pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:30 - 9:10 p.m.*	Seats (Total: 0) BA 106
BA04	Nagpurnanand Prabhala **Meets October 11, 2008 - December 17, 2008** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 10/11, 10/22, 10/25, 11/5, 11/8, 11/19, 11/22, 12/3, 12/6, Final 2/17*	Seats (Total: 0) BA 304 BA 304
DC01	Gurdip Bakshi **Meets September 3, 2008 - December 10, 2008** W 6:30pm - 9:10pm	Seats (Total: 0) DC C3
DC02	Gurdip Bakshi **Meets August 28, 2008 - December 11, 2008** Th 6:30pm - 9:10pm	Seats (Total: 0) DC C3
DC06	Haluk Unal **Meets August 30, 2008 - December 6, 2008** Sa 2:15pm - 6:15pm	Seats (Total: 0) DC C3

GS01	Michael Faulkender **Meets September 2, 2008 - December 11, 2008** Tu 6:30pm - 9:10pm	Seats (Total: 0) SGII 3241
GS04	Bharat Jain **Meets October 11, 2008 - December 16, 2008** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 10/11, 10/21, 10/25, 11/4, 11/8, 11/18, 11/22, 12/2, 12/6, Final 2/16.*	Seats (Total: 0) SG3 3202 SG3 3241

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 650 or BUSI 650. Formerly BMGT650.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Wendy Moe **Meets October 27, 2008 - December 10, 2008** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
0201	Wendy Moe **Meets October 27, 2008 - December 10, 2008** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660. Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Brent Goldfarb **Meets October 27, 2008 - December 11, 2008** MW 10:30am - 12:20pm	Seats (Total: 50) VMH 1505
0201	Brent Goldfarb **Meets October 27, 2008 - December 10, 2008** MW 1:00pm - 2:50pm	Seats (Total: 50) VMH 1505
DC06	Brent Goldfarb **Meets August 30, 2008 - October 11, 2008** Sa 8:30am - 1:30pm *Meets 8/29, 9/5, 9/19, 9/26, and 10/10.*	Seats (Total: 50) DC C3

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.
For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

0101	Oliver Schlake **Meets October 27, 2008 - December 10, 2008** MW 3:00pm - 4:50pm	Seats (Total: 50) VMH 1505
DC06	Oliver Schlake **Meets August 30, 2008 - October 11, 2008** Sa 8:30am - 1:30pm *Meets 8/30, 9/6, 9/20, 9/27, and 10/11*	Seats (Total: 50) DC C2

BUSI664 **Leadership and Managing Human Capital**

BUSI664 *(PermReq)* **Leadership and Managing Human Capital; (3 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUSI662 and BUSI663 or BUSI664. Examines concepts of leadership and human resource management principles. Emphasizes skill building and creating a competitive advantage by creating a culture that develops extraordinary leaders and unleashes employee talent. Topics include leadership, decision making, communication and conflict, work motivation, teams, ensuring legal compliance and leveraging diversity, recruiting, selecting and retaining qualified employees who fit the job and the organization, measuring performance and providing feedback, and managing changes in leadership and HR strategy.

0101	Jeffrey Kudisch **Meets September 2, 2008 - December 9, 2008** Tu 10:10am - 12:50pm *On 11/25 this course will meet 5:00pm-7:30pm in Tyser Auditorium, 1212 Van Munching Hall.*	Seats (Total: 0) VMH 1505
0201	Jeffrey Kudisch **Meets September 4, 2008 - December 11, 2008** Th 10:10am - 12:50pm *Due to the Thanksgiving Holiday this course will not meet 11/27 but wil instead meet 11/25 from 5:00pm-7:30pm in Tyser Auditorium, 1212 Van Munching Hall.*	Seats (Total: 0) VMH 1505

BA01	Karen Wouters Tu 6:30pm - 9:10pm	Seats (Total: 0) BA 106
DC01	Paul Tesluk **Meets September 3, 2008 - December 10, 2008** W 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC02	Paul Tesluk **Meets August 28, 2008 - December 11, 2008** Th 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC06	Karen Wouters **Meets August 30, 2008 - December 6, 2008** Sa 2:00pm - 5:45pm *Meets 8/30, 9/6, 9/20, 9/27, 10/11, 10/18, 11/1, 11/8, 11/22, 12/6. Final 12/20.*	Seats (Total: 0) DC C1
GS01	Karen Wouters **Meets August 27, 2008 - December 8, 2008** M 6:30pm - 9:10pm *The initial class meeting will take place on Wednesday, August 27, 2008 from 6:30 - 9:10 p.m.*	Seats (Total: 0) SG3 3202

BUSI665 **Integration and Teamwork**

BUSI665 Integration and Teamwork; (2 credits) Grade Method: REG.
For majors only or permission of department. Provides students with the concepts, frameworks, tools and skills necessary for thinking and working in an integrative fashion across functional areas of a business in a team based environment. The course will meet on 9/5, 9/12, 9/19, 9/26, 10/10, 11/7, and 12/5.

0101	Paul Tesluk **Meets September 5, 2008 - December 5, 2008** F 9:30am - 1:05pm	Seats (Total: 63) VMH 1212

0201	Paul Tesluk **Meets September 5, 2008 - December 5, 2008** F 9:30am - 1:05pm	Seats (Total: 63) VMH 1212

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 681 or BUSI 681. Formerly BMGT681. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rachelle Sampson **Meets August 27, 2008 - October 15, 2008** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
0201	Rachelle Sampson **Meets August 27, 2008 - October 15, 2008** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511
BA01	Charles Olson **Meets October 23, 2008 - December 11, 2008** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	Robert Windle **Meets August 27, 2008 - October 8, 2008** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/27, 8/30, 9/10, 9/13, 9/24, 9/27 Final 10/8*	Seats (Total: 0) BA 304 BA 304

DC01	William Huneke **Meets October 27, 2008 - December 8, 2008** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Kislaya Prasad **Meets October 28, 2008 - December 9, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
GS01	Charles Olson **Meets October 29, 2008 - December 10, 2008** W 6:25pm - 10:00pm	Seats (Total: 0) SGI 220
GS04	Jahangir Boroumand **Meets August 26, 2008 - October 7, 2008** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/26, 8/30, 9/9, 9/13, 9/23, 9/27 Final 10/7*	Seats (Total: 0) Location: TBA SG3 3241

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Prerequisites: BMGT 620, BMGT 640, BMGT 650, BMGT 681 and BMGT 683. For BMGT majors only. Credit will be granted for only one of the following: BMGT 690 or BUSI 690. Formerly BMGT690.* Integrative strategic management focusing on strategy formulation and implementation in domestic and global settings. Industry and competitor analysis, industry and firm value chain, leadership, goal setting, organizational structure and culture. Case study approach to top management and organizational problems. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Paulo Prochno **Meets October 29, 2008 - December 10, 2008** W 6:25pm - 10:00pm	Seats (Total: 0) BA 106

DC01	Paulo Prochno **Meets October 27, 2008 - December 8, 2008** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	David Waguespack **Meets October 28, 2008 - December 9, 2008** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Anil Gupta **Meets October 18, 2008 - December 6, 2008** Sa 8:30am - 1:30pm	Seats (Total: 0) DC C3
GS01	David Waguespack **Meets October 23, 2008 - December 11, 2008** Th 6:25pm - 10:00pm	Seats (Total: 0) SG3 3241

BUSI698 **MBA Consulting Project**

BUSI698 MBA Consulting Project; (3-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI698D **MBA Consulting Project; New Market Growth Fund**

BUSI698D *(PermReq)* **MBA Consulting Project: New Market Growth Fund; (3-6 credits)** Grade Method: REG.

0101	Mark Grovic Tu 12:30pm - 3:30pm	Seats (Total: 15) VMH 2509

BUSI758G **Special Topics in Business; Communications**

BUSI758G Special Topics in Business: Communications; (2 credits) Grade Method: REG.

GS06	Ronni Burns **Meets November 8, 2008 - December 20, 2008** Sa 8:00am - 5:30pm *Meets 11/8, 12/6, Final 12/20.*	Seats (Total: 0) SGII 1042

BUSI758J **Special Topics in Business; Business Law for Managers**

BUSI758J Special Topics in Business: Business Law for Managers; (2 credits) Grade Method: REG.

0101	William McClenahan **Meets August 28, 2008 - October 14, 2008** TuTh 9:00am - 10:50am	Seats (Total: 35) VMH 1520

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (3 credits) Grade Method: REG.

Credit will be granted for only one of the following: BMGT 794 or BUSI 761. Formerly BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

GS01	Peter Morici **Meets September 6, 2008 - October 5, 2008** SaSu 8:30am - 6:30pm	Seats (Total: 40) SGII 3012

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Fall 2008

CBMG688A **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688A Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	Tu 12:00pm - 3:00pm	MCB 2119

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

CBMG688D Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology I - Structure and Function; (2 credits) Grade Method: REG/AUD.

0101	Wenxia Song	Seats (Total: 30)
	Meets September 2, 2008 - October 18, 2008	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688E **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology II - Signal Transduction**

CBMG688E Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology II - Signal Transduction; (2 credits) Grade Method: REG/AUD.

0101	June Kwak	Seats (Total: 30)
	Meets October 19, 2008 - December 12, 2008	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

CBMG688J Special Topics in Cell Biology and Molecular Genetics: Genetics: Immunology and Host Defense; (2 credits) Grade Method: REG/AUD.

0101	Kenneth Frauwirth, David Mosser	Seats (Total: 20)
	Meets September 2, 2008 - October 18, 2008	
	MW 4:00pm - 6:00pm	MCB 2119

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

CBMG688K Special Topics in Cell Biology and Molecular Genetics: Genetics: Molecular Virology; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	Meets October 19, 2008 - December 12, 2008	
	MW 4:00pm - 6:00pm	HJP 1229

CBMG688M **Special Topics in Cell Biology and Molecular Genetics; Genetics: Microbial Genetics**

CBMG688M Special Topics in Cell Biology and Molecular Genetics: Genetics: Microbial Genetics; (2 credits) Grade Method: REG/AUD.

0101	Daniel Stein	Seats (Total: 20)
	Meets October 19, 2008 - December 12, 2008	
	MW 8:00am - 10:00am	MCB 2119

CBMG688V **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688V Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Brenda Fredericksen	Seats (Total: 20)
	F 3:00pm - 5:00pm	MCB 1207

CBMG688Z **Special Topics in Cell Biology and Molecular Genetics; Genetics: Teaching Science**

CBMG688Z Special Topics in Cell Biology and Molecular Genetics: Genetics: Teaching Science; (1 credit) Grade Method: REG/AUD.

0101	Patricia Shields Tu 6:00pm - 8:00pm	Seats (Total: 30) BPS 1208

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount Th 2:00pm - 3:00pm	Seats (Total: 20) AGL 3118

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount F 3:30pm - 6:00pm	Seats (Total: 20) BRB 3101

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser F 9:00am - 10:30am	Seats (Total: 20) MCB 2119

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology Journal Club; (1 credit) Grade Method: REG/AUD.

0101	Zhongchi Liu M 12:00pm - 1:00pm	Seats (Total: 20) HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 20) MCB 1121

CBMG789 **Seminar in Cell Biology and Molecular Genetics**

CBMG789 Seminar in Cell Biology and Molecular Genetics; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano F 12:00pm - 2:00pm	Seats (Total: 20) HJP 2242

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2008

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation. ***There will be an online component that will account for the third hour.***

0101	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0102	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0103	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0104	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	 Discussion
0105	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE COL 3112	 Discussion

0106	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE COL 0113	Discussion
0107	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 0123	Discussion
0108	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	Discussion
0109	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 0123	Discussion
0110	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE TLF 1101	Discussion
0111	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE ARC 1101	Discussion
0112	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 2123	Discussion
0113	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE TLF 1101	Discussion

0114	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	Discussion
0201	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. M 10:00am - 10:50am	Seats (Total: 25) SHM 2102 KEY 0121	Discussion
0202	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. W 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 TYD 1108	Discussion
0203	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. M 9:00am - 9:50am	Seats (Total: 25) SHM 2102 HBK 0123	Discussion
0204	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. W 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0123	Discussion

CCJS100H **Introduction to Criminal Justice**

CCJS100H *(PermReq)* **Introduction to Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. For general honors students only. There will be an online component that will account for the third hour.

0101	Arnett Gaston M 4:00pm - 4:50pm Contact instructor or department for details. M 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 TYD 2110	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CRIM220. Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Natalie Schell-Busey MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 LEF 1201	 Discussion
0102	Natalie Schell-Busey MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 LEF 1201	 Discussion
0103	Natalie Schell-Busey MW 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 30) TYD 0130 LEF 1220	 Discussion
0104	Natalie Schell-Busey MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TLF 1103	 Discussion
0105	Natalie Schell-Busey MW 10:00am - 10:50am Tu 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TLF 1103	 Discussion
0106	Natalie Schell-Busey MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) TYD 0130 LEF 1220	 Discussion
0107	Natalie Schell-Busey MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) TYD 0130 LEF 1220	 Discussion
0108	Natalie Schell-Busey MW 10:00am - 10:50am Th 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 JMZ 2123	 Discussion
0109	Natalie Schell-Busey MW 10:00am - 10:50am Th 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ARM 0105	 Discussion

0110	Natalie Schell-Busey MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 LEF 1220	Discussion
0201	Jennifer Varriale TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 30) TYD 0130 LEF 1220	Discussion
0202	Jennifer Varriale TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2110	Discussion
0203	Jennifer Varriale TuTh 12:30pm - 1:20pm Tu 10:00am - 10:50am	Seats (Total: 30) TYD 0130 COL 0102	Discussion
0204	Jennifer Varriale TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 LEF 1220	Discussion
0205	Jennifer Varriale TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ASY 3219	Discussion
0206	Jennifer Varriale TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
0207	Jennifer Varriale TuTh 12:30pm - 1:20pm Th 9:00am - 9:50am	Seats (Total: 30) TYD 0130 JMZ 0103	Discussion
0208	Jennifer Varriale TuTh 12:30pm - 1:20pm Th 10:00am - 10:50am	Seats (Total: 30) TYD 0130 JMZ 0122	Discussion
0209	Jennifer Varriale TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 PHY 1402	Discussion

0210	Jennifer Varriale TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 2110	Discussion
FC01	David Hull MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 21) HBK 0123	
FC02	Wendy Stickle MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 22) HBK 0103	

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C or higher.
Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0201	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 35) LEF 2205 LEF 1220	Discussion
0202	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 35) LEF 2205 LEF 1220	Discussion
0203	Raymond Paternoster TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) LEF 2205 TYD 2109	Discussion
0204	Raymond Paternoster TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) LEF 2205 TYD 2109	Discussion

0205	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 10:00am - 10:50am	Seats (Total: 30) LEF 2205 JMZ 0103	 Discussion
0206	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 JMZ 2123	 Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 11:00am - 11:50am	Seats (Total: 210) SHM 2102
0201	Russell Hamill Tu 4:00pm - 6:45pm	Seats (Total: 175) LEF 2205

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 200) LEF 2205

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) LEF 2166
0301	Maria Lobo-Antunes TuTh 12:30pm - 1:45pm	Seats (Total: 60) TYD 1101
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) MCB 1207
SG91	Wendy Stickle M 9:30am - 12:15pm	Seats (Total: 40) SG3 3220 *Registration is restricted to CCJS students enrolled in the Shady Grove BA program.*

CCJS310 **Criminal Investigations**

CCJS310 Criminal Investigations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques.

SG91	Mark Janney MW 9:30am - 10:45am	Seats (Total: 30) SGII 3012 *Registration is restricted to Biological Science students enrolled in t e Shady Grove Biological Sciences program.*

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

0101	Thomas Mauriello	Seats (Total: 45)	
	MW 6:00pm - 7:15pm	MMH 1400	
	MW 6:00pm - 7:15pm	MMH 2401	Lab
0201	Thomas Mauriello	Seats (Total: 45)	
	MW 7:30pm - 8:45pm	MMH 1400	
	MW 7:30pm - 8:45pm	MMH 2401	Lab

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems. There are six times during the semester that section 0101 will meet at 4:00 PM for guest lectures. In planning a schedule, please consider that the 1:00 PM section will be required to attend the 4:00 PM lectures as outlined in the syllabus.

0101	Cortney Fisher	Seats (Total: 50)
	M 1:00pm - 3:45pm	TYD 0102
	There are six times during the semester that this section will meet at 4pm for guest lectures. In planning a schedule, please consider that the 1pm section will be required to attend the 4pm lecture as outlined in the syllabus.	
0201	Cortney Fisher	Seats (Total: 50)
	M 4:00pm - 6:45pm	KEY 0102

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100, CCJS230, and CCJS234. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 75) SYM 0200

CCJS340 **Concepts of Law Enforcement Administration**

CCJS340 *(PermReq)* **Concepts of Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 100) TYD 0117
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 180) SHM 2102
SG91	Luther Reynolds, Marvin Thomas MW 12:30pm - 1:45pm *Registration is restricted to CCJS students enrolled in the Shady Grove BA program.*	Seats (Total: 40) SG3 2226

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 220) SHM 2102
0201	Jay Horner TuTh 11:00am - 12:15pm	Seats (Total: 141) LEF 2205
SG91	Christine Roberts White TuTh 11:00am - 12:15pm	Seats (Total: 40) SG3 3226
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Jay Horner TuTh 12:30pm - 1:45pm	Seats (Total: 131) PHY 1412
0201	Arnett Gaston MW 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0301	Christine Roberts White MWF 12:00pm - 12:50pm	Seats (Total: 100) PLS 1140

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only, and permission of department.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 150) SHM 2102
SG91	Felicia Kolodner W 9:30am - 12:15pm	Seats (Total: 40) SG3 2206
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS388H **Independent Reading Course in Criminology and Criminal Justice**

CCJS388H *(PermReq)* **Independent Reading Course in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Permission only. For department Honors Students only.

0101	Jean McGloin W 2:00pm - 4:45pm	Seats (Total: 10) JMZ 2120

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
For Department Honors Students Only.

0101	Jean McGloin M 1:00pm - 3:45pm	Seats (Total: 10) LEF 2207

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Leading Constitutional Cases Dealing With the Field of Corrections**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Leading Constitutional Cases Dealing With the Field of Corrections; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:CCJS 100 or CCJS 105. Not open to students who have completed CCJS288C "Contemporary Case Law"

0101	Alvin Zumbrun	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	TYD 1108

CCJS400 **Criminal Courts**

CCJS400 Criminal Courts; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or permission of department; and CCJS300. Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms. This class is open only to CCJS students enrolled in the Shady Grove BA Program.

SG91	Karla Smith Cohen	Seats (Total: 40)
	MW 12:30pm - 1:45pm	SG3 3226
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

CCJS432 **Law of Corrections**

CCJS432 *(PermReq)* **Law of Corrections; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: CCJS100, CCJS105, CCJS230, and CCJS300.* A review of the law of criminal corrections from sentencing to final release or release on parole. Probation, punishments, special treatments for special offenders, parole and pardon, and the prisoner's civil rights are also examined.

0101	Alvin Zumbrun	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	SYM 0200

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Alexis Piquero	Seats (Total: 96)
	TuTh 2:00pm - 3:15pm	LEF 2205

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston	Seats (Total: 100)
	MW 2:00pm - 3:15pm	TYD 0117

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Kirk	Seats (Total: 80)
	TuTh 2:00pm - 3:15pm	HJP 2242

CCJS457 **Comparative Criminology and Criminal Justice**

CCJS457 *(PermReq)* **Comparative Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350; and CCJS300. Comparison of law and criminal justice systems in different countries. Special emphasis on the methods of comparative legal analysis, international cooperation in criminal justice, and crime and development.

SG91	Nicole Romeiser	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SG3 3220
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

CCJS461 **Psychology of Criminal Behavior**

CCJS461 *(PermReq)* **Psychology of Criminal Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or equivalent; and CCJS300; and PSYC330 or PSYC353. Biological, environmental, and personality factors which influence criminal behaviors. Biophysiology and crime, stress and crime, maladjustment patterns, psychoses, personality disorders, aggression and violent crime, sex-motivated crime and sexual deviations, alcohol and drug abuse, and criminal behavior.

SG91	Robin Shusko	Seats (Total: 40)
	MW 11:00am - 12:15pm	SG3 3225
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

CCJS498O **Selected Topics in Criminology and Criminal Justice; Overview of Federal Law Enforcement Agencies**

CCJS498O *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Overview of Federal Law Enforcement Agencies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS 100 and CCJS 340

0101	Thomas Bonnar M 6:00pm - 8:45pm	Seats (Total: 60) LEF 2166

CCJS498Z **Selected Topics in Criminology and Criminal Justice; Security Administration**

CCJS498Z *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Formerly: CCJS498S. Credit will be granted for CCJS498S or CCJS498Z.
Prerequisite: CCJS 100 and CCJS 340

0101	Barry Smith Th 6:00pm - 8:45pm	Seats (Total: 50) LEF 2205

CCJS600 **Criminal Justice**

CCJS600 Criminal Justice; (3 credits) Grade Method: REG/AUD.
Prerequisites: admission to the graduate program in criminal justice or permission of department. Formerly CJUS600. Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

0101	Alexis Piquero Tu 4:00pm - 6:45pm	Seats (Total: 40) TYD 2108

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS605 **Program Evaluation for Criminal Justice**

CCJS605 Program Evaluation for Criminal Justice; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: CCJS 605 or CCJS 609. Formerly CCJS609. Designing, implementing and evaluating programs in criminal justice. Topics include diagnosing program needs, planning and tailoring evaluation programs, program monitoring, assessing program impact, program efficiency, and the social context of evaluation.

0101	Doris Mackenzie	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	LEF 1222

CCJS611 **Statistical Tools for Criminal Justice**

CCJS611 Statistical Tools for Criminal Justice; (3 credits) Grade Method: REG.
An introduction to essential statistical concepts for analyzing crime and evaluating criminal justice policies. Interpreting crime trends and correlations, risk and conditional probability analysis for repeat offenders and hot spots of crime, time series analysis, experimental statistics, effect sizes, statistical power and significance.

0101	Brian Johnson	Seats (Total: 20)
	Th 4:00pm - 6:45pm	LEF 1221

CCJS612 **Applied Data Analysis in Criminal Justice**

CCJS612 Applied Data Analysis in Criminal Justice; (3 credits) Grade Method: REG/AUD.
Requires students to analyze such data as patterns and distributions of criminal careers, temporal and spatial data on reported crimes, recidivism rates after correctional programs, and statistical profiles of offender M.O. patterns. Data base management, computerized crime mapping, graphical and tabular methods for displaying data.

0101	Ronald Wilson	Seats (Total: 25)
	M 7:00pm - 9:45pm	LEF 1220

CCJS620 **Fundamentals of Criminological Research**

CCJS620 Fundamentals of Criminological Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS498D or CCJS620. Formerly CCJS498D. Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Laura Dugan	Seats (Total: 35)
	Th 4:00pm - 6:45pm	TYD 1114

CCJS651 **Seminar in Criminology**
Contact department for information to register for this course.

CCJS661 **Crime and the Life Course**

CCJS661 *(PermReq)* **Crime and the Life Course; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS699J or CCJS661. Formerly CCJS699J. Designed to provide an intensive examination of crime and the life course. Life course is examined as a theoretical orientation, a research methodology, and an empirical field of study with special reference to crime and deviance. Course includes development of criminal behavior and criminal careers; stability and change in criminal behavior across developmental stages; trajectories, transitions, and turning points through life; quantitative and qualitative approaches to studying crime and the life course; and social change and its link to individual lives.

0101	John Laub	Seats (Total: 20)
	W 4:00pm - 6:45pm	LEF 1220

CCJS662 **Psychology of Crime and Justice**

CCJS662 Psychology of Crime and Justice; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: CCJS699P or CCJS662. Formerly CCJS699P.* A seminar designed to increase knowledge of the criminal behavior of adults and juveniles and what can be done to change this behavior. Students will be expected to develop a thorough understanding of the history, development, operation, effectiveness, and future of formal efforts to understand and control criminal behavior.

0101	Doris Mackenzie	Seats (Total: 20)
	M 4:00pm - 6:45pm	LEF 1221

CCJS670 **Race, Crime, and Criminal Justice**

CCJS670 Race, Crime, and Criminal Justice; (3 credits) Grade Method: REG/AUD. Provides an historical overview of the operation and evolution of the criminal justice system and the impact of race. How race affects definitions of crime and criminality, the workings of the criminal justice system, the development of criminological theory, and the role of criminal justice ethics in the study of race and crime will be considered.

0101	Brian Johnson	Seats (Total: 10)
	W 4:00pm - 6:45pm	LEF 1222

CCJS678A **Advanced Topics in Criminology and Criminal Justice; Jurisprudence**
Contact department for information to register for this course.

CCJS678B **Advanced Topics in Criminology and Criminal Justice; Alternatives to Criminal Processing**
Contact department for information to register for this course.

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Criminal Processing**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS710 **Advanced Research Methods in Criminology**

CCJS710 Advanced Research Methods in Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: approved doctoral level statistics course. Formerly CRIM710. Application of advanced research methods and data analysis strategies to criminological and criminal justice problems.

0101	Hanno Petras	Seats (Total: 17)
	Tu 4:00pm - 6:45pm	LEF 1201

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM Chemistry Fall 2008

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.

Prerequisite: Placement in MATH113 or MATH115. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors. CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 132.

1121	Andrei Vedernikov MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 40) CHM 1407 CHM 2201	 Discussion
1122	Andrei Vedernikov MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 40) CHM 1407 CHM 2201	 Discussion
1125	Andrei Vedernikov MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 2201	 Discussion
1141	Andrei Vedernikov MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	 Discussion
1142	Andrei Vedernikov MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 40) CHM 1407 CHM 2201	 Discussion

1145	Andrei Vedernikov MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 2201	Discussion
1221	Daniel Steffek MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
1222	Daniel Steffek MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1224	Daniel Steffek MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
1242	Daniel Steffek MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
1245	Daniel Steffek MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1247	Daniel Steffek MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1325	Bryan Eichhorn MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) PHY 1412 CHM 0115	Discussion
1327	Bryan Eichhorn MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) PHY 1412 CHM 0115	Discussion
1328	Bryan Eichhorn MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) PHY 1412 CHM 0115	Discussion

1345	Bryan Eichhorn MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 40) PHY 1412 CHM 0115	Discussion
1347	Bryan Eichhorn MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CHM 0115	Discussion
1348	Bryan Eichhorn MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 40) PHY 1412 CHM 0115	Discussion
1525	Bonnie Dixon MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
1527	Bonnie Dixon MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
1528	Bonnie Dixon MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0127	Discussion
1545	Bonnie Dixon MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
1547	Bonnie Dixon MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
1548	Bonnie Dixon MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion

SEF1	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 24) CHM 1402 CHM 0124	 Discussion
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SEF2	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 24) CHM 1402 CHM 1224	 Discussion
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

CHEM131S **Chemistry I - Fundamentals of General Chemistry**

CHEM131S Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Placement in MATH113 or MATH115. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 132. Restricted to College Park Scholars - Life Sciences.

1141	Andrei Vedernikov MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 19) CHM 1407 CHM 2201	 Discussion
1247	Daniel Steffek MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	 Discussion

1327	Bryan Eichhorn MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) PHY 1412 CHM 0115	 Discussion
1528	Bonnie Dixon MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0127	 Discussion

CHEM131U **Chemistry I - Fundamentals of General Chemistry**
Contact department for information to register for this course.

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG. *Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	 Lab
1123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1128	 Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1128	 Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	 Lab
1134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	 Lab

1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
1221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
1223	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1128	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1128	Lab
1332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1412	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 10) CHM 1110	Lab
1421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab
1423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1128	Lab

1435	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab	
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 19) CHM 1111	Lab	
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	Lab	
SEF1	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1105	Lab	*This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*
SEF2	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1106	Lab	*This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*

CHEM132C **General Chemistry I Laboratory**

CHEM132C General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.*

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab	*Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.*

1212	Maryann Jones	Seats (Total: 24)	
	Tu 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1231	Maryann Jones	Seats (Total: 24)	
	Tu 3:30pm - 6:20pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1311	Maryann Jones	Seats (Total: 24)	
	W 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1341	Maryann Jones	Seats (Total: 24)	
	W 6:00pm - 8:50pm	CHM 1128	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1411	Maryann Jones	Seats (Total: 24)	
	Th 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1412	Maryann Jones	Seats (Total: 14)	
	Th 8:00am - 10:50am	CHM 1110	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1422	Maryann Jones	Seats (Total: 24)	
	Th 12:30pm - 3:20pm	CHM 1106	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1432	Maryann Jones	Seats (Total: 24)	
	Th 3:30pm - 6:20pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		

1433	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	 Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	 Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 5) CHM 1111	 Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		

CHEM132S **General Chemistry I Laboratory**

CHEM132S General Chemistry I Laboratory; (1 credit) Grade Method: REG. *Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee. Restricted to College Park Scholars - Life Sciences.

1213	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1106	 Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	 Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	 Lab

CHEM132U **General Chemistry I Laboratory**
Contact department for information to register for this course.

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Alfred Boyd MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3127	Alfred Boyd MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3128	Alfred Boyd MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3145	Alfred Boyd MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3147	Alfred Boyd MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3148	Alfred Boyd MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0128	 Discussion
3225	Lee Friedman MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0122	 Discussion
3227	Lee Friedman MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0122	 Discussion

3228	Lee Friedman MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3245	Lee Friedman MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3247	Lee Friedman MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3248	Lee Friedman MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3325	John Tossell MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0119	Discussion
3327	John Tossell MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0119	Discussion
3328	John Tossell MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0119	Discussion
3345	John Tossell MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 1224	Discussion
3347	John Tossell MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 2201	Discussion
3348	John Tossell MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 2201	Discussion

CHEM136 General Chemistry Laboratory for Engineers

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.
Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. There is a $40.00 lab fee for this course.

0117	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0127	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
0137	Natalia White W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0147	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab

CHEM146 **Principles of General Chemistry**

CHEM146 Principles of General Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Placement in MATH115 or higher. Corequisite: CHEM147. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM143. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	Janice Reutt-Robey MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 0124	Discussion
0033	Janice Reutt-Robey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 0124	Discussion
0034	Janice Reutt-Robey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 0124	Discussion

CHEM147 **Principles of Chemistry Laboratory**

CHEM147 Principles of Chemistry Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: CHEM146. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM143.* Introduction to the synthesis and characterization of inorganic substances. Must be taken concurrently with CHEM146. Students must pay a $40.00 Laboratory Materials fee.

0031	Maryann Jones Th 12:30pm - 4:20pm	Seats (Total: 18) CHM 1360	Lab
0032	Maryann Jones Tu 11:00am - 2:50pm	Seats (Total: 18) CHM 1360	Lab
0035	Maryann Jones F 12:00pm - 3:50pm	Seats (Total: 18) CHM 1360	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Frederick Khachik MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHE 2136	Discussion
5127	Frederick Khachik MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5128	Frederick Khachik MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion

5145	Frederick Khachik MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHE 2136	Discussion
5147	Frederick Khachik MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5148	Frederick Khachik MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5215	Herman Ammon TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5216	Herman Ammon TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5217	Herman Ammon TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5235	Herman Ammon TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5236	Herman Ammon TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5237	Herman Ammon TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0127	Discussion
5315	Frederick Khachik TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0122	Discussion

5316	Frederick Khachik TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0122	 Discussion
5317	Frederick Khachik TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0122	 Discussion
5335	Frederick Khachik TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0122	 Discussion
5336	Frederick Khachik TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0122	 Discussion
5337	Frederick Khachik TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0122	 Discussion
SEF1	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:30pm *This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 20) CHM 1407 CHM 0127	 Discussion
SEF2	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:30pm *This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 19) CHM 1407 CHM 0119	 Discussion

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $40.00 Laboratory Materials fee.

5121	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5122	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5123	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5131	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5132	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5133	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5134	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5141	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5142	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab

5143	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5211	Lee Friedman Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5212	Lee Friedman Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
5221	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5231	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5241	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1360	Lab
5242	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
5321	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5322	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5331	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5332	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab

5341	Lee Friedman W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5342	Lee Friedman W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5343	Lee Friedman W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5411	Lee Friedman Th 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
5421	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5422	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 17) CHM 1356	Lab
5431	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5521	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5522	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5523	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5524	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
5531	Lee Friedman F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab

SEF1	Lee Friedman	Seats (Total: 19)	
	W 7:30pm - 10:20pm	CHM 1346	Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SEF2	Lee Friedman	Seats (Total: 19)	
	W 7:30pm - 10:20pm	CHM 1342	Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Bonnie Dixon	Seats (Total: 33)	
	TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	CHM 1407 CHM 0128	Discussion
6116	Bonnie Dixon	Seats (Total: 33)	
	TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	CHM 1407 CHM 0128	Discussion

6117	Bonnie Dixon TuTh 8:00am - 9:15am M 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	 Discussion
6135	Bonnie Dixon TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0128	 Discussion
6136	Bonnie Dixon TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0128	 Discussion
6137	Bonnie Dixon TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	 Discussion
6216	Daniel Falvey TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0119	 Discussion
6217	Daniel Falvey TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0119	 Discussion
6235	Daniel Falvey TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0119	 Discussion
6236	Daniel Falvey TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0119	 Discussion
6237	Daniel Falvey TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0119	 Discussion
6415	Herman Sintim TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 CHM 2201	 Discussion

6416	Herman Sintim TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6417	Herman Sintim TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6435	Herman Sintim TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6436	Herman Sintim TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6437	Herman Sintim TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
SEF1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 18) PLS 1130 PLS 1184	Discussion
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 Laboratory Materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6133	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6223	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab

6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6323	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6334	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1308	Lab
6421	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6424	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab

6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	 Lab
SEF1	Daniel Steffek W 7:30pm - 10:20pm	Seats (Total: 19) CHM 1308	 Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

CHEM247 **Principles of Organic Chemistry II**

CHEM247 Principles of Organic Chemistry II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM237 or permission of department. The "C" or better in the prerequisite is required for Life Science majors. For CHEM, BCHM, ENCH majors, and honors students only. Credit will be granted for only one of the following: CHEM243 or CHEM247. A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules. Students must pay a $40.00 Laboratory Materials fee.

6101	Jeffery Davis MWF 9:00am - 9:50am Th 11:00am - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 18) CHM 1224 CHM 1326 CHM 0128	 Lab Discussion
6301	Jeffery Davis MWF 9:00am - 9:50am W 11:00am - 2:50pm Th 9:30am - 10:20am	Seats (Total: 18) CHM 1224 CHM 1326 CHM 0128	 Lab Discussion

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	Alice Mignerey MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) CHM 1407 CHM 0127	 Discussion
2225	Alice Mignerey MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 28) CHM 1407 MTH 0409	 Discussion
2227	Alice Mignerey MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 28) CHM 1407 CHM 1224	 Discussion
2242	Alice Mignerey MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 28) CHM 1407 CHM 0127	 Discussion
2245	Alice Mignerey MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 28) CHM 1407 CHM 0124	 Discussion
2247	Alice Mignerey MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 28) CHM 1407 CHM 1224	 Discussion
2324	Michael Montague-Smith MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 24) BRB 1101 CHM 0127	 Discussion
2325	Michael Montague-Smith MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 24) BRB 1101 MTH 0106	 Discussion

2327	Michael Montague-Smith MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 24) BRB 1101 CHM 2201	 Discussion
2344	Michael Montague-Smith MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 24) BRB 1101 CHM 0127	 Discussion
2345	Michael Montague-Smith MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) BRB 1101 MTH 0201	 Discussion
2347	Michael Montague-Smith MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 24) BRB 1101 CHM 0124	 Discussion
SEF1	Marlon Rhem M 6:00pm - 7:50pm W 6:30pm - 7:20pm *This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 20) CHM 1228 CHM 1228	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

8132	Michelle Brooks F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 20) CHM 1407 CHM 1308	 Lab

8141	Michelle Brooks F 11:00am - 11:50am M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8211	Michelle Brooks F 11:00am - 11:50am Tu 8:00am - 10:50am	Seats (Total: 20) CHM 1407 CHM 1128	 Lab
8221	Michelle Brooks F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8311	Michelle Brooks F 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 20) CHM 1407 CHM 1128	 Lab
8411	Michelle Brooks F 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 20) CHM 1407 CHM 1128	 Lab
8432	Michelle Brooks F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 20) CHM 1407 CHM 1302	 Lab
9122	Michelle Brooks F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 20) BRB 1101 CHM 1308	 Lab
9141	Michelle Brooks F 3:00pm - 3:50pm M 6:00pm - 8:50pm	Seats (Total: 20) BRB 1101 CHM 1308	 Lab
9211	Michelle Brooks F 3:00pm - 3:50pm Tu 8:00am - 10:50am	Seats (Total: 20) BRB 1101 CHM 1308	 Lab
9233	Michelle Brooks F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 20) BRB 1101 CHM 1308	 Lab

9241	Michelle Brooks F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) BRB 1101 CHM 1128	 Lab
9411	Michelle Brooks F 3:00pm - 3:50pm Th 8:00am - 10:50am	Seats (Total: 20) BRB 1101 CHM 1302	 Lab
9421	Michelle Brooks F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 20) BRB 1101 CHM 1302	 Lab
9521	Michelle Brooks F 3:00pm - 3:50pm F 12:00pm - 2:50pm	Seats (Total: 20) BRB 1101 CHM 1302	 Lab
SEF1	Michelle Brooks M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 20) CHM 1224 CHM 1302	 Lab
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0232	Michelle Brooks M 12:00pm - 12:50pm WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 0124 CHM 1128	 Lab

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

CHEM399X Introduction to Chemical Research: Chemistry Instruction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herman Ammon	Seats (Total: 40)
	Contact instructor or department for details.	

CHEM403 **Radiochemistry**

CHEM403 Radiochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: one year of college chemistry and one year of college physics.
Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	Alice Mignerey MWF 12:00pm - 12:50pm	Seats (Total: 40) CHM 1224	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 Laboratory Materials fee.

0101	Neil Blough MW 10:00am - 10:50am MW 12:00pm - 2:50pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0102	Neil Blough MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0104	Neil Blough MW 10:00am - 10:50am TuTh 9:30am - 11:50am	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0105	Neil Blough MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0109	Neil Blough MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

CHEM441 Advanced Organic Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM481. Also offered as CHEM641.* An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Philip DeShong	Seats (Total: 50)
	MWF 8:00am - 8:50am	CHM 1402

CHEM474 **Environmental Chemistry**

CHEM474 Environmental Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM481 or equivalent.* The sources of various elements and chemical reactions between them in the atmosphere and hydrosphere are treated. Causes and biological effects of air and water pollution by certain elements are discussed.

0101	John Ondov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	CHM 1224

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The "C" or better in prerequisites is required for Life Science majors.* A course primarily for chemists and chemical engineers.

0101	Robert Walker	Seats (Total: 98)
	MWF 9:00am - 9:50am	CHE 2110

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A Grade of C or better in CHEM481. The "C" or better is required for Life Science majors.* A course primarily for chemists and chemical engineers.

0101	Daniil Kosov	Seats (Total: 60)
	MWF 9:00am - 9:50am	CHM 0122

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.

Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 Laboratory Materials fee.

0114	Jane Klassen	Seats (Total: 18)	
	M 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0124	Jane Klassen	Seats (Total: 18)	
	Tu 2:00pm - 5:00pm	CHM 3221	Lab
	Tu 12:30pm - 1:20pm	CHM 0124	Discussion
0134	Jane Klassen	Seats (Total: 18)	
	W 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion
0144	Jane Klassen	Seats (Total: 18)	
	Th 2:00pm - 5:00pm	CHM 3221	Lab
	Th 12:30pm - 1:20pm	CHM 1228	Discussion
0154	Jane Klassen	Seats (Total: 18)	
	F 1:00pm - 4:00pm	CHM 3221	Lab
	F 12:00pm - 12:50pm	CHM 0124	Discussion

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.

Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Students must pay a $40.00 Laboratory Materials fee.

0124	Jane Klassen	Seats (Total: 12)	
	Tu 2:30pm - 5:30pm	CHM 3217	Lab
	Tu 1:30pm - 2:20pm	CHM 3219	Discussion

CHEM491 **Advanced Organic Chemistry Laboratory**
Contact department for information to register for this course.

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.
Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Lawrence Sita	Seats (Total: 40)
	MWF 9:00am - 9:50am	CHM 1228

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD.

0101	John Fourkas	Seats (Total: 60)
	F 2:00pm - 2:50pm	CHM 0119

CHEM624 **Electrical Methods of Quantitative Analysis**

CHEM624 Electrical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.

0101	Sangbok Lee	Seats (Total: 25)
	TuTh 8:00am - 9:15am	CHM 0124

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Philip DeShong F 12:00pm - 12:50pm	Seats (Total: 20) CHM 0115

CHEM641 **Organic Reaction Mechanisms**

CHEM641 Organic Reaction Mechanisms; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM441.

0101	Philip DeShong MWF 8:00am - 8:50am	Seats (Total: 50) CHM 1402

CHEM648B **Special Topics in Organic Chemistry; Chemistry of Nucleic Acids**

CHEM648B Special Topics in Organic Chemistry: Chemistry of Nucleic Acids; (1-3 credits) Grade Method: REG/AUD.

0101	Steven Rokita MWF 11:00am - 11:50am	Seats (Total: 23) CHM 1224

CHEM684 **Chemical Thermodynamics**

CHEM684 Chemical Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 482 or equivalent.

0101	Christopher Jarzynski TuTh 11:00am - 12:15pm	Seats (Total: 20) CHM 1228

CHEM689A **Special Topics in Physical Chemistry; Simulation and Theory of Liquids**

CHEM689A Special Topics in Physical Chemistry: Simulation and Theory of Liquids; (3 credits) Grade Method: REG/AUD.

0101	Shule Liu, John Weeks TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 1410

CHEM690 **Quantum Chemistry I**

CHEM690 Quantum Chemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 485.

0101	YuHuang Wang MWF 10:00am - 10:50am	Seats (Total: 20) CHM 0124

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Sangbok Lee F 3:00pm - 5:00pm	Seats (Total: 15) CHM 1224

CHEM889C **Seminar; Inorganic**

CHEM889C Seminar: Inorganic; (1 credit) Grade Method: REG/AUD.

0101	Andrei Vedernikov F 1:00pm - 1:50pm	Seats (Total: 10) CHM 1228

CHEM889D **Seminar; Organic**

CHEM889D Seminar: Organic; (1 credit) Grade Method: REG/AUD.

0101	Ashton Cropp	Seats (Total: 20)
	Th 11:00am - 12:30pm	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Millard Alexander	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD.

0101	Millard Alexander	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889G **Seminar; Physical Organic**

CHEM889G Seminar: Physical Organic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Bryan Eichhorn	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889O **Seminar; Natural Water**

CHEM889O Seminar: Natural Water; (1 credit) Grade Method: REG/AUD.

0101	George Helz	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889P **Seminar; Structure and Reactivity of Biopolymers**

CHEM889P Seminar: Structure and Reactivity of Biopolymers; (1 credit) Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Fall 2008

CHIN101 **Intensive Elementary Chinese I**

Non-Majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.

CHIN101 *(PermReq)* **Intensive Elementary Chinese I; (6 credits)** Grade Method: REG.

Non-majors admitted only after a placement interview. Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.

0101	Jungjung Lee-Heitz	Seats (Total: 14)	
	MWF 10:00am - 10:50am	JMZ 3205	
	TuTh 11:00am - 12:15pm	JMZ 3122	Discussion

0201	Mei Kong MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 14) JMZ 1226 JMZ 1123	 Discussion
0301	Jungjung Lee-Heitz MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 14) JMZ 3120 JMZ 1226	 Discussion
0601	Mei Kong MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 14) JMZ 1226 JMZ 1211	 Discussion

CHIN105 **Elementary Chinese - Accelerated Track**

CHIN105 *(PermReq)* **Elementary Chinese - Accelerated Track; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Not open to students who have completed CHIN101, CHIN102, or CHIN103. Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.

0101	Jungjung Lee-Heitz MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 3120

CHIN201 **Intermediate Spoken Chinese I**

CHIN201 *(PermReq)* **Intermediate Spoken Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN102 or equivalent and permission of department. Non-majors admitted only after a placement interview. Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Mei Kong F 11:00am - 11:50am MW 11:00am - 11:50am	Seats (Total: 14) JMZ 1211 JMZ 1117
0301	Huichun Liang MWF 2:00pm - 2:50pm	Seats (Total: 14) JMZ 1226

CHIN202 **Intermediate Written Chinese I**

CHIN202 *(PermReq)* **Intermediate Written Chinese I; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN103 or equivalent and permission of department. Non-majors admitted only after a placement interview. Reading and writing skills with emphasis on grammar and Chinese characters.

0201	Hongen Yao TuTh 12:30pm - 1:45pm	Seats (Total: 14) JMZ 1226
0301	Hsiu-Fen Chien TuTh 2:00pm - 3:15pm	Seats (Total: 14) JMZ 1226

CHIN207 **Linguistic Resources for Students of Chinese**

CHIN207 Linguistic Resources for Students of Chinese; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Not open to students who have completed CHIN428, CHIN421 or CHIN422. Training in the use of Chinese dictionaries, introduction to the relationship between traditional and simplified Chinese characters, overview of the main regional variations of Mandarin, review of elementary grammar.

0101	Hongen Yao TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 3205

CHIN213 **Chinese Poetry into English: An Introduction**

CHIN213 Chinese Poetry into English: An Introduction; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0101	Huichun Liang MWF 11:00am - 11:50am	Seats (Total: 35) JMZ 2206

CHIN301 **Advanced Chinese I**

CHIN301 *(PermReq)* **Advanced Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN202 or equivalent. Non-majors admitted only after a placement interview. Readings in expository and fictional writing with conversation and composition.

0101	Huichun Liang	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 1103

CHIN305 **Life in China through TV Plays I**

CHIN305 *(PermReq)* **Life in China through TV Plays I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN203, CHIN204 or permission of department. Using authentic Chinese language material in short TV plays to learn about society and life in China.

0101	Mei Kong	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 2125

CHIN315 **Modern Chinese Literature in Translation**

CHIN315 Modern Chinese Literature in Translation; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Major works of fiction and drama from 1920 to the present read in the context of social and literary change. Emphasis on western and traditional Chinese influences on the writers and their works. No knowledge of Chinese required.

0101	Jianmei Liu	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMZ 2206

CHIN401 **Readings in Modern Chinese I**

CHIN401 Readings in Modern Chinese I; (3 credits) Grade Method: REG.
Prerequisite: CHIN302 or equivalent. Non-majors admitted only after a placement interview. Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Huichun Liang	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 1226

0201	Nan Jiang	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 2125

CHIN418D **Special Topics in Contemporary Chinese Fiction and Film; Literature of the Chinese Diaspora**

CHIN418D Special Topics in Contemporary Chinese Fiction and Film: Literature of the Chinese Diaspora; (3 credits) Grade Method: REG.

0101	Jianmei Liu	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 0208

CHIN424 **Linguistics of the Chinese Writing System**

CHIN424 Linguistics of the Chinese Writing System; (3 credits) Grade Method: REG.
Prerequisite: CHIN302 or JAPN405. Recommended: CHIN423. Also offered as SLAA798A. Formerly CHIN428A. The history and structure of the Chinese writing system, with emphasis on its early development and place in the cognition of language. Students are expected to have advanced knowledge of written Chinese graphs (may include Japanese kanji or Korean hanja).

0101	Hongen Yao	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 0205

CHIN499 **Directed Study in Chinese**

CHIN499 Directed Study in Chinese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2008

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 898E and CHEM 898F.

0101	Millard Alexander W 11:00am - 12:00pm	Seats (Total: 15) CHM 1228

CHPH709B **Seminar in Chemical Physics; Statistical Physics Seminar**

CHPH709B Seminar in Chemical Physics: Statistical Physics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 709.

0101	John Weeks W 4:00pm - 5:00pm	Seats (Total: 20) IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS 838A.

0101	Ellen Williams M 12:00pm - 1:00pm F 4:00pm - 6:00pm	Seats (Total: 15) PHY 2202 PHY 2120

CHPH718B **Special Topics in Chemical Physics; Simulation and Theory of Liquids**

CHPH718B Special Topics in Chemical Physics: Simulation and Theory of Liquids; (3 credits) Grade Method: REG/AUD.

0101	John Weeks, Shule Liu TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 1410

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH718V **Special Topics in Chemical Physics; Probing Nanoscale Structures Using Neutron Scattering**

CHPH718V Special Topics in Chemical Physics: Probing Nanoscale Structures Using Neutron Scattering; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH648V and ENMA698V.

0101	Boualem Hammouda	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH B0425

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Fall 2008

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Taught in English, no prerequisite: cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Hugh Lee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0103	Discussion
0102	Hugh Lee MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 BPS 1234	Discussion
0103	Hugh Lee MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 COL 0113	Discussion
0104	Hugh Lee MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 1224	Discussion
0105	Hugh Lee MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 BPS 1228	Discussion
0106	Hugh Lee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 0108	Discussion
0107	Hugh Lee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0108	Hugh Lee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0104	Discussion
0201	Hugh Lee MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 WDS 1114	Discussion

0202	Hugh Lee MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 HBK 0105	Discussion
0203	Hugh Lee MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 JMZ 1117	Discussion
0204	Hugh Lee MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 COL 0102	Discussion
0205	Hugh Lee MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 EGR 2116	Discussion
0206	Hugh Lee MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 SKN 0104	Discussion
0207	Hugh Lee MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
FC01	Ryan Moore TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 28) SKN 0104	
FC02	Wayne Miller TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) CHM 1224	
FC03	Charlotte Malerich MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 28) MMH 0108	
FC04	Jason Edwards MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 24) WDS 1114	

FC05	Elyse Fiorito TuTh 4:30pm - 5:45pm	Seats (Total: 28) CHM 1228	
	This section is only open to students in Freshmen Connection.		

CLAS270 **Greek Literature in Translation**

CLAS270 Greek Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Greek literature from Homer to Lucian, with special emphasis on epic and dramatic poetry. No knowledge of Greek or Latin is required.

0101	Kenneth Tuite MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ASY 2203 EDU 0202	Discussion
0102	Kenneth Tuite MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ASY 2203 EDU 0114	Discussion
0103	Kenneth Tuite MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ASY 2203 EDU 0114	Discussion

CLAS309C **Special Topics in Classical Literature; Classical Tradition in Modern Greek Cinema**

CLAS309C Special Topics in Classical Literature: Classical Tradition in Modern Greek Cinema; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Pittas-Herschbach Tu 5:00pm - 7:40pm	Seats (Total: 35) PLS 1113	

CLAS309W **Special Topics in Classical Literature; Warfare in the Classical World**

CLAS309W Special Topics in Classical Literature: Warfare in the Classical World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Rutledge TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 2117	

CLAS320 **Women in Classical Antiquity**

CLAS320 Women in Classical Antiquity; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST320. Credit will be granted for only one of the following: CLAS320 or WMST320. A study of women's image and reality in ancient Greek and Roman societies through an examination of literary, linguistic, historical, legal and artistic evidence; special emphasis in women's role in the family, views of female sexuality, and the place of women in creative art. Readings in primary sources in translation and modern critical writings.

0101	Lillian Doherty	Seats (Total: 35)	
	MW 3:30pm - 4:45pm	KEY 0116	

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT Comparative Literature Fall 2008

CMLT214 **Film Form and Culture**

CMLT214 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to film forms in international perspective. Emphasis on the techniques of film analysis, distinctions among film genres, and the history of cinema.

0101	Greg Metcalf	Seats (Total: 22)	
	MW 1:00pm - 1:50pm	SQH 1120	
	M 2:00pm - 3:50pm	SQH 1120	Lab
	F 10:00am - 10:50am	HBK 0103	Discussion

0102	Greg Metcalf MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) SQH 1120 SQH 1120 HBK 0103	 Lab Discussion
0103	Greg Metcalf MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 22) SQH 1120 SQH 1120 TLF 1103	 Lab Discussion
0104	Greg Metcalf MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 22) SQH 1120 SQH 1120 SQH 1121	 Lab Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Bruce Clarkson TuTh 12:30pm - 1:45pm	Seats (Total: 35) JMP 2202	
0201	Thomas Lowderbaugh TuTh 9:30am - 10:45am	Seats (Total: 35) BPS 1124	
0301	Aparajita De MWF 12:00pm - 12:50pm	Seats (Total: 35) EGR 0135	
0401	Aparajita De MWF 11:00am - 11:50am	Seats (Total: 35) EGL 1202	

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amber Cohen MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1103	
0201	Liora Moriel MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0125	
0301	Nancy Comorau TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0100	
0401	Nancy Comorau TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101	

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts. Course is meeting in Room J, Hornbake.

0101	Ralph Bauer MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) LEF 2205 BPS 1124	 Discussion
0102	Ralph Bauer MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) LEF 2205 BPS 1236	 Discussion
0103	Ralph Bauer MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) LEF 2205 TLF 1103	 Discussion

0104	Ralph Bauer MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) LEF 2205 TLF 1103	 Discussion
0105	Ralph Bauer MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 PLS 1158	 Discussion
0106	Ralph Bauer MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 PLS 1119	 Discussion

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Greg Metcalf Tu 12:30pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) SQH 1120 SQH 1120	 Discussion
0102	Greg Metcalf Tu 12:30pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) SQH 1120 SQH 1120	 Discussion
0103	Greg Metcalf Tu 12:30pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 22) SQH 1120 SQH 2121	 Discussion
0104	Greg Metcalf Tu 12:30pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 22) SQH 1120 SQH 2121	 Discussion

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498L **Selected Topics in Comparative Studies; Sexuality in the Cinema**

CMLT498L Selected Topics in Comparative Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1119

CMLT498N **Selected Topics in Comparative Studies; Gypsy Culture**

CMLT498N Selected Topics in Comparative Studies: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1105

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Fall 2008

CMSC100 **Bits and Bytes of Computer Science**

CMSC100 Bits and Bytes of Computer Science; (1 credit) Grade Method: REG/P-F.
For first time freshmen and first time transfer computer science majors. Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Brandi Adams	Seats (Total: 30)
	W 4:00pm - 4:50pm	CSI 2107

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG/P-F. CORE Interdisciplinary & Emerging Issues (IE) Course.
For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC114 or higher. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0101	Evan Golub	Seats (Total: 85)
	TuTh 2:00pm - 3:15pm	CSI 1115

CMSC106 **Introduction to C Programming**

CMSC106 *(PermReq)* **Introduction to C Programming; (4 credits)** Grade Method: REG/P-F.
Prerequisite: permission of department. Pre- or corequisite: MATH140. Only for CMPS, ENCP and students with major code: 2299F. Not open to students who have completed CMSC114 or higher. Design and analysis of programs in C. An introduction to computing using structured programming concepts. For further information contact the Undergraduate Education Office, Computer Science Department.

0101	Laurence Herman MW 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 20) CSI 2107 CSI 1121	 Discussion
0102	Laurence Herman MW 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 20) CSI 2107 CSI 1121	 Discussion

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG/P-F.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0101	Jandelyn Plane MWF 10:00am - 10:50am MW 8:00am - 8:50am	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0102	Jandelyn Plane MWF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0201	Jandelyn Plane MWF 11:00am - 11:50am MW 9:00am - 9:50am	Seats (Total: 25) CSI 1115 CSI 2120	 Discussion

0202	Jandelyn Plane MWF 11:00am - 11:50am MW 10:00am - 10:50am	Seats (Total: 25) CSI 1115 CSI 2120	Discussion
0301	Jandelyn Plane MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 25) CSI 1115 CSI 2118	Discussion
0302	Jandelyn Plane MWF 12:00pm - 12:50pm MW 11:00am - 11:50am	Seats (Total: 25) CSI 1115 CSI 2118	Discussion
0401	Fawzi Emad MWF 1:00pm - 1:50pm MW 11:00am - 11:50am	Seats (Total: 25) CSI 1115 CSI 2120	Discussion
0402	Fawzi Emad MWF 1:00pm - 1:50pm MW 12:00pm - 12:50pm	Seats (Total: 25) CSI 1115 CSI 2120	Discussion
0501	Fawzi Emad MWF 3:00pm - 3:50pm MW 1:00pm - 1:50pm	Seats (Total: 25) CSI 1115 CSI 2118	Discussion
0502	Fawzi Emad MWF 3:00pm - 3:50pm MW 2:00pm - 2:50pm	Seats (Total: 25) CSI 1115 CSI 2118	Discussion

CMSC131H **Object-Oriented Programming I**

CMSC131H *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG/P-F.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. For general honors students only.

0101	Fawzi Emad MWF 2:00pm - 2:50pm MW 1:00pm - 1:50pm	Seats (Total: 22) CSI 1115 CSI 2120	Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Nelson Padua-Perez MWF 11:00am - 11:50am MW 8:00am - 8:50am	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion
0102	Nelson Padua-Perez MWF 11:00am - 11:50am MW 9:00am - 9:50am	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion
0201	Nelson Padua-Perez MWF 1:00pm - 1:50pm MW 10:00am - 10:50am	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion
0202	Nelson Padua-Perez MWF 1:00pm - 1:50pm MW 11:00am - 11:50am	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion
0301	Nelson Padua-Perez MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion
0302	Nelson Padua-Perez MWF 2:00pm - 2:50pm MW 1:00pm - 1:50pm	Seats (Total: 24) CSI 2117 CSI 2107	 Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. For general honors students only.

0101	Nelson Padua-Perez	Seats (Total: 27)	
	MWF 10:00am - 10:50am	CSI 2117	
	MW 9:00am - 9:50am	CSI 3120	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors; Special Topics for Non-Computer Science Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors: Special Topics for Non-Computer Science Majors; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC212 **Introduction to Low-Level Programming Concepts**

CMSC212 *(PermReq)* **Introduction to Low-Level Programming Concepts; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC132 with a grade of C or better; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: CMSC250. Introduction to many of the concepts that lie behind software, such as hardware, memory layout, memory management, and operating systems. Explain how these concepts affect the design of software systems.

0101	Alan Sussman	Seats (Total: 23)	
	TuTh 11:00am - 12:15pm	CSI 1115	
	MW 11:00am - 11:50am	CSI 3118	Discussion
0102	Alan Sussman	Seats (Total: 23)	
	TuTh 11:00am - 12:15pm	CSI 1115	
	MW 12:00pm - 12:50pm	CSI 3118	Discussion

0201	Laurence Herman TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 23) CSI 2117 CSI 3118	Discussion
0202	Laurence Herman TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 23) CSI 2117 CSI 3118	Discussion
0301	Laurence Herman TuTh 3:30pm - 4:45pm MW 3:00pm - 3:50pm	Seats (Total: 23) CSI 2117 CSI 3118	Discussion
0302	Laurence Herman TuTh 3:30pm - 4:45pm MW 4:00pm - 4:50pm	Seats (Total: 23) CSI 2117 CSI 3118	Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Donald Perlis TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 33) CSI 3117 CSI 1122	Discussion
0102	Donald Perlis TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 33) CSI 3117 CSI 1122	Discussion
0201	Donald Perlis TuTh 3:30pm - 4:45pm MW 12:00pm - 12:50pm	Seats (Total: 33) CSI 3117 CSI 1122	Discussion
0202	Donald Perlis TuTh 3:30pm - 4:45pm MW 1:00pm - 1:50pm	Seats (Total: 33) CSI 3117 CSI 1122	Discussion

CMSC250H **Discrete Structures**

CMSC250H *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.*

0101	Clyde Kruskal	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	CSI 2120	
	MW 11:00am - 11:50am	CSI 1122	Discussion

CMSC297 **Honors Seminar**

CMSC297 Honors Seminar; (1 credit) Grade Method: S-F.
An introduction to the breadth of computer science research. Intended for all Computer Science Honors students, especially those considering a career in research. Will cover work from some of the key figures in the history of computer science, as well as research being pursued at Maryland.

0101	William Gasarch	Seats (Total: 30)
	M 4:00pm - 4:50pm	CSI 2107

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC311 **Computer Organization**

CMSC311 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: CMSC212 and CMSC250 each with a grade of C (2.0) or better; and permission of department.* Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.

0101	Michelle Hugue	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 1121

0201	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 1121	

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Jeffrey Foster MW 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 17) CSI 1121 CSI 3117	Discussion
0102	Jeffrey Foster MW 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 17) CSI 1121 CSI 3117	Discussion
0103	Jeffrey Foster MW 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 17) CSI 1121 CSI 3117	Discussion
0201	Jeffrey Foster MW 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 17) CSI 1121 CSI 3120	Discussion
0202	Jeffrey Foster MW 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 17) CSI 1121 CSI 3120	Discussion
0203	Jeffrey Foster MW 3:30pm - 4:45pm W 12:00pm - 12:50pm	Seats (Total: 17) CSI 1121 CSI 3120	Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Evan Golub MW 2:00pm - 3:15pm	Seats (Total: 55) CSI 3117
0201	Evan Golub MW 3:30pm - 4:45pm	Seats (Total: 55) CSI 3117

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 Computer Systems Architecture; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student.
Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue MW 2:00pm - 3:15pm	Seats (Total: 30) CSI 1122

CMSC412 **Operating Systems**

CMSC412 Operating Systems; (4 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	Neil Spring	Seats (Total: 37)	
	TuTh 3:30pm - 4:45pm	CSI 1122	
	MW 11:00am - 11:50am	CSI 1121	Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	A.U. Shankar	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 1122

CMSC417 **Computer Networks**

CMSC417 Computer Networks; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in CMSC351, a grade of C or better in (CMSC311 or ENEE350), and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 1122

CMSC420 **Data Structures**

CMSC420 Data Structures; (3 credits) Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student. Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Hanan Samet TuTh 2:00pm - 3:15pm	Seats (Total: 46) CSI 2107

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 Introduction to Artificial Intelligence; (3 credits) Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of the department or CMSC graduate student. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	Dana Nau TuTh 3:30pm - 4:45pm	Seats (Total: 35) CSI 2107

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

CMSC423 Bioinformatic Algorithms, Databases, and Tools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CMSC351 or permission of department. A practical introduction to the main topics in algorithms, databases, and tools used in bioinformatics. Includes public databases such as Genbank and PDG, software tools such as BLAST, and their underlying algorithms. Use of Perl scripting language to perform a number of useful tasks in analyzing sequence data and managing bioinformatic databases.

0101	Mihai Pop	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 1122

CMSC424 **Database Design**

CMSC424 Database Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC420 with a grade of C or better; and permission of department; or CMSC graduate student. Motivation for the database approach as a mechanism for modeling the real world. Review of the three popular data models: relational, network, and hierarchical. Comparison of permissible structures, integrity constraints, storage strategies, and query facilities. Theory of database design logic.

0101	Amol Deshpande	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 1121

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 Programming Language Technologies and Paradigms; (3 credits) Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Adam Porter	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	CSI 1122

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 Introduction to Human-Computer Interaction; (3 credits) Grade Method: REG.
Prerequisites: CMSC330 with a grade of C or better and PSYC100; and permission of department; or CMSC graduate student. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Ben Shneiderman	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	CSI 2117

CMSC435 **Software Engineering**

CMSC435 Software Engineering; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	CSI 2117

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 Design and Analysis of Computer Algorithms; (3 credits) Grade Method: REG.
Prerequisite: a grade of C or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Carleton Kingsford	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 3120

CMSC456 **Cryptology**

CMSC456 Cryptology; (3 credits) Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Aravind Srinivasan	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 2117

CMSC460 **Computational Methods**

CMSC460 Computational Methods; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 1121

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 Introduction to Numerical Analysis I; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 2120

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498L **Selected Topics in Computer Science; Web-Scale Information Processing Applications**

CMSC498L *(PermReq)* **Selected Topics in Computer Science: Web-Scale Information Processing Applications; (3 credits)** Grade Method: REG/AUD.

0101	Jimmy Lin	Seats (Total: 15)
	MW 9:30am - 10:45am	HBK 2119

CMSC498P **Selected Topics in Computer Science; Industrial Practices Apprenticeship**

CMSC498P *(PermReq)* **Selected Topics in Computer Science: Industrial Practices Apprenticeship; (1 credit)** Grade Method: REG.
Co-requisite: CMSC 435.

0101	James Purtilo	Seats (Total: 30)
	Contact instructor or department for details.	

CMSC498Q **Selected Topics in Computer Science; Advanced Industrial Practices**

CMSC498Q *(PermReq)* **Selected Topics in Computer Science: Advanced Industrial Practices; (1-3 credits)** Grade Method: REG.

0101	James Purtilo	Seats (Total: 10)
	Contact instructor or department for details.	

CMSC498Z **Selected Topics in Computer Science; Software Project Management**

CMSC498Z *(PermReq)* **Selected Topics in Computer Science: Software Project Management; (3 credits)** Grade Method: REG/P-F/AUD.

0101	James Purtilo	Seats (Total: 10)
	Contact instructor or department for details.	

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC598 **Practical Training**

CMSC598 *(PermReq)* **Practical Training; (1 credit)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC634 **Empirical Research Methods for Computer Science**

CMSC634 Empirical Research Methods for Computer Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: Computer Science graduate student or permission of instructor. Recommended: Introductory statistics class. Credit will be granted for only one of the following: CMSC838G (Fall 2005) or CMSC634. A graduate-level introductory course on empirical reseach methods for computer scientists. Experimental techniques for evaluating software systems and processes, human performance using interfaces, programming environments, and software engineering methods. Introduction to constructs and methods of measurements, qualitative and quantitative design, quasi-experimental and non-experimental design, baseline design, and statistical analysis.

0101	Vibha Sazawal	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC651 **Analysis of Algorithms**

CMSC651 Analysis of Algorithms; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 451. Efficiency of algorithms, orders of magnitude, recurrence relations, lower-bound techniques, time and space resources, NP-complete problems, polynomial hierarchies, and approximation algorithms. Sorting, searching, set manipulation, graph theory, matrix multiplication, fast Fourier transform, pattern matching, and integer and polynomial arithmetic.

0101	Clyde Kruskal	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 2107

CMSC660 **Scientific Computing I**

CMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660.* Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.

0101	Dianne O'Leary	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC663 **Advanced Scientific Computing I**

CMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG. Also offered as AMSC663.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 0405

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as AMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666.* Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration.

0101	Howard Elman	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 3118

CMSC714 **High Performance Computing Systems**

CMSC714 High Performance Computing Systems; (3 credits) Grade Method: REG/AUD.
Prerequisites: (CMSC411 and CMSC412) or permission of instructor. Slected topics in high-performance systems, including contemporary architectures, interconnection topologies, shared memory and message-passing systems, multi-threaded kernels, latency avoidance and hiding techniques, methods for data and workload partitioning performance profiling, debugging.

0101	Jeffrey Hollingsworth	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 1121

CMSC723 **Computational Linguistics I**

CMSC723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC421 or equivalent; or permission of instructor. PhD Comp credit for CMSC723 or CMSC823, not both. Also offered as LING723. Not open to students who have completed LING645. Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Saif Mohammad	Seats (Total: 40)
	W 4:00pm - 6:45pm	CSI 3120

CMSC727 **Neural Modeling**

CMSC727 Neural Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 421 or equivalent; or permission of instructor. Undergraduate calculus, linear algebra, and elementary probability and statistics are assumed. Fundamental methods of neural modeling. Surveys historical development and recent research results from both the computational and dynamical systems perspective. Logical neurons, perceptrons, linear adaptive networks, attractor neural networks, competitive activation methods, error back-propagation, self-organizing maps, and related topics. Applications in artificial intelligence, cognitive science, and neuroscience.

0101	James Reggia	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC733 **Computer Processing of Pictorial Information**

CMSC733 Computer Processing of Pictorial Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 420. Input, output, and storage of pictorial information. Pictures as information sources, efficient encoding, sampling, quantization, approximation. Position-invariant operations on pictures, digital and optical implementations, the pax language, applications to matched and spatial frequency filtering. Picture quality, image enhancement and image restoration. Picture properties and pictorial pattern recognition. Processing of complex pictures; figure extraction, properties of figures. Data structures for pictures description and manipulation; picture languages. Graphics systems for alphanumeric and other symbols, line drawings of two- and three-dimensional objects, cartoons and movies.

0101	John Aloimonos	Seats (Total: 20)
	M 3:30pm - 6:05pm	CSI 3120

CMSC740 **Advanced Computer Graphics**

CMSC740 Advanced Computer Graphics; (3 credits) Grade Method: REG/AUD.
Prerequisites: (MATH 240 and CMSC 420) or permission of instructor. An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems, introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	Amitabh Varshney	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3118

CMSC752 **Concrete Complexity**

CMSC752 Concrete Complexity; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 451 or CMSC 650 or permission of instructor. Investigate upper and lower bounds for several problems such as sorting, selection, parity, hashing, and graphs. Consider models of computation such as decision trees, circuits, monotone circuits, and the information model for graphs. Combinatorial tools developed as needed. Ramsey theory will be one of those tools.

0101	William Gasarch	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	CSI 2117

CMSC764 **Advanced Numerical Optimization**

CMSC764 Advanced Numerical Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410 or permission of instructor. Also offered as AMSC607. Credit will be granted for only one of the following: AMSC607, CMSC764, or MAPL607. Formerly CMSC878O. Modern numerical methods for solving uncontrained and constrained nonlinear optimization problems in finite dimensions. Design of computational algorithms and the analysis of their properties.

0101	Dianne O'Leary	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3120

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818B **Advanced Topics in Computer Systems**

CMSC818B Advanced Topics in Computer Systems; (3 credits) Grade Method: REG/AUD.

0101	Samrat Bhattacharjee	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSI 2120

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828C **Advanced Topics in Information Processing; Image Understanding**

CMSC828C Advanced Topics in Information Processing: Image Understanding; (3 credits) Grade Method: REG/AUD.

0101	Ramalingam Chellappa	Seats (Total: 40)
	MW 9:30am - 10:45am	CSI 1121

CMSC828N **Advanced Topics in Information Processing; Computational Gene Finding and Genome Assembly**

CMSC828N Advanced Topics in Information Processing: Computational Gene Finding and Genome Assembly; (3 credits) Grade Method: REG/AUD.

0101	Steven Salzberg	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 2107
	This course will meet in the Biomolecular Science Building (building # 296) room 3118.	

CMSC828T **Advanced Topics in Information Processing; Application of GPU and Cloud Computing to the Nontraditional Databases, Computer Graphics, Data Mining and GIS**

CMSC828T Advanced Topics in Information Processing: Application of GPU and Cloud Computing to the Nontraditional Databases, Computer Graphics, Data Mining and GIS; (3 credits) Grade Method: REG/AUD.

0101	Hanan Samet	Seats (Total: 20)
	TuTh 3:30pm - 5:30pm	Location: TBA

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838K **Advanced Topics in Programming Languages; How to do Research**

CMSC838K Advanced Topics in Programming Languages: How to do Research; (1 credit) Grade Method: REG/AUD.

0101	Steven Salzberg	Seats (Total: 30)
	M 4:00pm - 4:50pm	CSI 2120

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858B **Advanced Topics in Theory of Computing; Error Correcting Codes**

CMSC858B Advanced Topics in Theory of Computing: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg	Seats (Total: 32)
	TuTh 3:30pm - 4:45pm	CSI 2118

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Fall 2008

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Attendance on the first day of classes is mandatory.

0101	Rowena Briones MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176
0201	Elizabeth Gardner TuTh 8:00am - 9:15am	Seats (Total: 24) SKN 0104
0301	Abbey Levenshus TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184

0401	Ying Wei MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
0501	Lin Zhu MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
0601	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1117
0701	Ahnlee Jang TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
0801	Brian Keenan MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1176
0901	Doo Lee TuTh 8:00am - 9:15am	Seats (Total: 22) PLS 1162
1001	Deepa Anagondahalli TuTh 12:30pm - 1:45pm	Seats (Total: 24) SKN 0104
1101	Paula Nadler MWF 8:00am - 8:50am	Seats (Total: 24) KEY 1117
1201	Beth Kuch TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176
1301	Doo Lee TuTh 9:30am - 10:45am	Seats (Total: 22) PLS 1162
1401	Ahnlee Jang TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1176
1501	Rowena Kirby-Straker TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
1601	Rowena Kirby-Straker TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
1701	Brian Keenan MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1176

1801	Hyunhee Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1180
1901	Deepa Anagondahalli TuTh 2:00pm - 3:15pm	Seats (Total: 24) SKN 0104
2001	Teng Zhang MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1180
2101	Ling Na MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176
2201	Ying Wei MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
2301	Ling Na MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176
2401	Ryan Merkel MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
2501	Lin Zhu MWF 8:00am - 8:50am	Seats (Total: 24) SKN 0104
2601	Jennifer Bly MWF 1:00pm - 1:50pm	Seats (Total: 8) PLS 1176
2701	Robin Scholz MWF 11:00am - 11:50am	Seats (Total: 9) PLS 1180
2801	Robin Scholz MWF 10:00am - 10:50am	Seats (Total: 9) PLS 1180
2901	Jingwei Yu MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
3001	Lin Zhu MWF 9:00am - 9:50am	Seats (Total: 24) SKN 0104
3101	Abbe Depretis TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184

3201	Elizabeth Gardner TuTh 9:30am - 10:45am	Seats (Total: 24) SKN 0104
3301	Jarim Kim TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
3401	Beth Kuch TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176
3501	Jingwei Yu MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
3601	Gerry Strumpf MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1180
3701	Leysan Khakimova TuTh 8:00am - 9:15am	Seats (Total: 24) SKN 1115
3901	Jarim Kim TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
4001	Lin Zhu MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184

COMM107M **Oral Communication: Principles and Practices**

COMM107M Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. Restricted to students in the Markets and Society Program.

2601	Jennifer Bly MWF 1:00pm - 1:50pm	Seats (Total: 0) PLS 1176
2701	Robin Scholz MWF 11:00am - 11:50am	Seats (Total: 0) PLS 1180
2801	Robin Scholz MWF 10:00am - 10:50am	Seats (Total: 0) PLS 1180

COMM125 **Introduction to Interpersonal Communication**

COMM125 Introduction to Interpersonal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Concepts of interpersonal communication including perception, language and meaning, nonverbal communication, listening and feedback. Attendance on the first day of classes is mandatory.

0101	Erica Lamm TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1180
0201	Erica Lamm TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues. Attendance on the first day of classes is mandatory.

0101	Lindsey Fox TuTh 12:30pm - 1:45pm	Seats (Total: 25) ASY 3219
0201	Arthur Herbig MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1111
0401	Arthur Herbig MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
FC01	Timothy Barney TuTh 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 25) KEY 0124
FC02	Lindsey Fox TuTh 7:30pm - 8:45pm *This section is only open to students in Freshman Connection. This sec ion is only open to spring 2009 COMM majors.*	Seats (Total: 20) KEY 0119

COMM200U **Critical Thinking and Speaking**
Contact department for information to register for this course.

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate. Attendance on the first day of class is mandatory.

0101	Stephen Underhill TuTh 8:00am - 9:15am	Seats (Total: 24) SYM 0209	
0201	Stephen Underhill TuTh 9:30am - 10:45am	Seats (Total: 24) SYM 0209	
0301	Abbe Depretis TuTh 11:00am - 12:15pm	Seats (Total: 24) KEY 0120	
0401	Abbe Depretis TuTh 12:30pm - 1:45pm	Seats (Total: 24) KEY 0123	

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0301	Richard Toth Tu 11:00am - 12:50pm Th 11:00am - 12:50pm	Seats (Total: 18) PLS 1129 PLS 1129	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Katie Place Tu 8:00am - 9:50am Th 8:00am - 9:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Katie Place Tu 10:00am - 11:50am Th 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0116	 Discussion
0102	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 ARM 0112	 Discussion
0103	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0119	 Discussion

0104	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 ARM 0112	Discussion
0105	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 ARM 0110	Discussion
0106	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0119	Discussion
0107	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 COL 0101	Discussion
0108	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 COL 0101	Discussion
0109	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 COL 0101	Discussion
0110	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SKN 0200 HJP 1104	Discussion

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Brecken Swartz TuTh 3:30pm - 4:45pm	Seats (Total: 220) KEY 0106
0201	Nneka Ifeoma Ofulue MW 2:00pm - 3:15pm	Seats (Total: 35) SKN 0104

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Benjamin Krueger TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 0102
0201	Benjamin Krueger TuTh 5:00pm - 6:15pm	Seats (Total: 35) KEY 0102

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Grade C or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0101	Susan Simon TuTh 2:00pm - 3:15pm	Seats (Total: 35) EGR 0135

0201	Linda Aldoory TuTh 11:00am - 12:15pm	Seats (Total: 35) COL 3111	
SG91	Paula Weissman MW 12:30pm - 1:45pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2206	

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Lucinda Austin M 8:00am - 9:15am W 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Brian Smith M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Katie Place M 1:00pm - 2:15pm W 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Brian Smith	Seats (Total: 18)	
	Tu 2:00pm - 3:15pm	EGR 3140	
	Th 2:00pm - 3:15pm	EGR 3140	Lab
0201	Brian Smith	Seats (Total: 18)	
	Tu 12:00pm - 1:15pm	EGR 3140	
	Th 12:00pm - 1:15pm	EGR 3140	Lab

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Nneka Ifeoma Ofulue	Seats (Total: 35)	
	MW 5:00pm - 6:15pm	KEY 0125	

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin	Seats (Total: 65)
	Contact instructor or department for details.	

SG91	Julie Gowin Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F.

0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)
1001	Andrew Wolvin Contact instructor or department for details.	Seats (Total: 20)
2601	Julie Gowin Contact instructor or department for details.	Seats (Total: 20)
2701	Monique Turner Contact instructor or department for details.	Seats (Total: 20)
3001	Shannon Bowen Contact instructor or department for details.	Seats (Total: 10)
SG91	Leah Waks Contact instructor or department for details.	Seats (Total: 10)

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.

0101	Xiaoli Nan TuTh 3:30pm - 4:45pm *Section is restricted to COMM majors only.*	Seats (Total: 35) SKN 0104

SG91	Paula Weissman MW 11:00am - 12:15pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2226

COMM398L **Selected Topics in Communication; Civic Rhetoric and Lincoln's Birthday**

COMM398L Selected Topics in Communication: Civic Rhetoric and Lincoln's Birthday; (3 credits) Grade Method: REG.

0101	Robert Gaines Contact instructor or department for details.	Seats (Total: 20)
SG91	Robert Gaines Class time/details on ELMs *Section is restricted to Shady Grove students only.*	Seats (Total: 20) ONLINE

COMM398V **Selected Topics in Communication; Visual Communication**

COMM398V Selected Topics in Communication: Visual Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Robert Coleman TuTh 3:30pm - 5:20pm	Seats (Total: 20) EGR 3140
0201	Robert Coleman TuTh 5:30pm - 7:20pm	Seats (Total: 20) EGR 3140
SG91	Robert Coleman TuTh 9:00am - 10:45am *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 20) SG3 3212

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory. For majors only.

0101	Edward Fink TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0102	Edward Fink TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0103	Edward Fink TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0104	Edward Fink TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion
0105	Edward Fink TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion
0106	Edward Fink TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion. Attendance on the first day of classes is mandatory.

0101	Trevor Parry-Giles TuTh 12:30pm - 1:45pm	Seats (Total: 120) SKN 0200	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories. Attendance on the first day of classes is mandatory.

0101	Dale Hample MW 12:00pm - 12:50pm M 8:00am - 8:50am	Seats (Total: 20) CHM 1402 WDS 1127	Discussion
0102	Dale Hample MW 12:00pm - 12:50pm M 8:00am - 8:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 WDS 1131	Discussion
0104	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 WDS 1127	Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
SG91	Charles Pavitt TuTh 11:00am - 12:15pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2225	

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0201	Judith Tenney MW 3:30pm - 4:45pm	Seats (Total: 45) SKN 0104

COMM435 **Theories of Interpersonal Communication**

COMM435 Theories of Interpersonal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM400 or permission of department. Major theoretical approaches and research trends in the study of interpersonal communication.

0101	Dale Hample MW 3:30pm - 4:45pm	Seats (Total: 35) KEY 1117
SG91	Judith Tenney MW 9:30am - 10:45am *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 3226

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Credit will be granted for only one of the following: COMM450, or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Robert Gaines TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1108

COMM453 **The Power of Discourse in American Life**

COMM453 The Power of Discourse in American Life; (3 credits) Grade Method: REG/P-F/AUD.

The potential of language forms and strategic discourse to create, perpetuate, and alter patterns of political and cultural behavior. The influence of contemporary political and cultural discourse on public understanding, public policy, and day-to-day life.

0101	Mari Tonn MW 3:30pm - 4:45pm	Seats (Total: 35) ASY 3203
0201	James Klumpp TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0108

COMM460 **Public Life in American Communities, 1634-1900**

COMM460 Public Life in American Communities, 1634-1900; (3 credits) Grade Method: REG/P-F/AUD.

Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.

0101	James Klumpp TuTh 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115

COMM468 **Seminar in Mediated Communication; Arab Media**

COMM468 Seminar in Mediated Communication: Arab Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sahar Khamis TuTh 9:30am - 10:45am	Seats (Total: 35) CHM 1224

COMM469 **The Discourse of Social Movements**

COMM469 The Discourse of Social Movements; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kristjana Maddux MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0116

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

0101	Judith Tenney MW 5:00pm - 6:15pm	Seats (Total: 90) SHM 2102

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Torsten Reimer TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 0105

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nneka Ifeoma Ofulue F 12:00pm - 1:30pm	Seats (Total: 50) SKN 0200

COMM482 **Intercultural Communication**

COMM482 Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

0101	Deborah Cai MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0102	Deborah Cai MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 SKN 1112	Discussion
0103	Deborah Cai MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0104	Deborah Cai MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 SKN 1112	Discussion
0105	Deborah Cai MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0106	Deborah Cai MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 SKN 1112	Discussion
SG91	Andrew Wolvin Th 2:00pm - 4:50pm *Section is restricted to Shady Grove BIOLOGICAL SCIENCES and COMM stude ts only.*	Seats (Total: 20) SG3 3220	
SG92	Andrew Wolvin Th 2:00pm - 4:50pm	Seats (Total: 30) SG3 3220	

COMM483 Senior Seminar in Public Relations

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TLF 1103

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Richard Toth, Leah Waks	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498E **Seminar; Eight Leaders, Eight Speeches**

COMM498E Seminar: Eight Leaders, Eight Speeches; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Klumpp	Seats (Total: 35)
	TuTh 9:30am - 10:45am	EDU 1121

COMM630 **Seminar in Public Relations Management**

COMM630 Seminar in Public Relations Management; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 630. Credit will be granted for only one of the following: COMM 630 or JOUR630. Formerly JOUR630. Relationship of public relations management to organizational structure and communication functions. Objectives, planning, staffing, budgeting, administering, and evaluation of public relations programs.

0101	Elizabeth Toth W 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM633 **Global Public Relations**

COMM633 Global Public Relations; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 633. Credit will be granted for only one of the following: COMM 633 or JOUR 633. Formerly JOUR633. Application of principles of public relations to countries or regions with different cultures, political systems, economic systems, levels of development, media systems, and levels of activism.

0101	Sahar Khamis Th 3:30pm - 6:30pm	Seats (Total: 15) WDS 1127

COMM686 **Teaching Communication**

COMM686 Teaching Communication; (1 credit) Grade Method: REG/AUD.
Formerly SPCH686. Principles of effective teaching--content and process--in the college communication classroom.

0101	Andrew Wolvin W 12:00pm - 1:00pm	Seats (Total: 30) SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM700 **Introduction to Graduate Study in Communication**

COMM700 Introduction to Graduate Study in Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in COMM. Formerly SPCH700. Basic skills in communication research.

0101	Trevor Parry-Giles	Seats (Total: 30)
	Th 3:30pm - 6:30pm	SKN 2127

COMM702 **Intermediate Quantitative Data Analysis in Communication Research: The General Linear Model**

COMM702 Intermediate Quantitative Data Analysis in Communication Research: The General Linear Model; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 700 or permission of instructor. Formerly SPCH702. Data analysis in current communication research. Techniques include regression, correlation, factor analysis, matrix algebra, covariance structure, and path diagrams. Students will be expected to have completed a methods course and a statistics course or tested equivalent competencies.

0101	Edward Fink	Seats (Total: 15)
	W 3:30pm - 6:30pm	KEY 0120

COMM711 **Historical/Critical Methods in Communication Research**

COMM711 Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 700 or permission of instructor. Formerly SPCH711. Methods for historical and critical research in communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substantial claims, organizing and writing research for disciplinary outlets.

0101	Kristjana Maddux	Seats (Total: 15)
	M 3:30pm - 6:30pm	KEY 0107

COMM748A **The Rhetoric of the Presidency; U.S. Nationalism, Citizenship, and War**

COMM748A The Rhetoric of the Presidency: U.S. Nationalism, Citizenship, and War; (3 credits) Grade Method: REG/AUD.

0101	Shawn Parry-Giles	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 1112

COMM775 **Seminar in Persuasion and Attitude Change**

COMM775 Seminar in Persuasion and Attitude Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly SPCH775. This seminar will concentrate on the problem of making message strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.

0101	Torsten Reimer	Seats (Total: 15)
	Th 6:30pm - 9:30pm	SKN 2127

COMM783 **Seminar in Intercultural Communication**

COMM783 Seminar in Intercultural Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 683 or equivalent. Not open to students who have completed COMM 682. Credit will be granted for only one of the following: COMM 682 or COMM 783. Formerly COMM682. Concentrates on theoretical and methodological issues in intercultural communication research.

0101	Deborah Cai	Seats (Total: 15)
	M 3:30pm - 6:30pm	SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Fall 2008

CONS608 **Seminar in Sustainable Development and Conservation Biology**

CONS608 *(PermReq)* **Seminar in Sustainable Development and Conservation Biology; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	James Dietz Th 12:00pm - 12:50pm	Seats (Total: 20) BPS 1208

CONS609 **Special Topics in Conservation Biology**

CONS609 *(PermReq)* **Special Topics in Conservation Biology; (1-3 credits)** Grade Method: REG/S-F.

0101	David Inouye Contact instructor or department for details.	Seats (Total: 20)
0102	James Dietz Contact instructor or department for details.	Seats (Total: 20)

CONS680 **Problem Solving in Conservation/Development**

CONS680 *(PermReq)* **Problem Solving in Conservation/Development; (4 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	James Dietz W 1:00pm - 5:00pm	Seats (Total: 17) COL 0117

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 *(PermReq)* **Research Papers in Sustainable Development and Conservation Biology; (1-4 credits)** Grade Method: REG/S-F.

1111	David Inouye Contact instructor or department for details.	Seats (Total: 50)

1112	James Dietz	Seats (Total: 50)
	Contact instructor or department for details.	

CPSP College Park Scholars Program Fall 2008

CPSP118A **College Park Scholars Colloquium I; Arts**

CPSP118A College Park Scholars Colloquium I: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 90)
	M 6:00pm - 7:15pm	CCC 1100

CPSP118B **College Park Scholars Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Business, Society, and the Economy.

0101	Mark Wellman	Seats (Total: 80)
	Tu 5:00pm - 7:00pm	VMH 1330

CPSP118C **College Park Scholars Colloquium I; Advocates for Children**

CPSP118C College Park Scholars Colloquium I: Advocates for Children; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	James DeGeorge	Seats (Total: 90)
	W 2:00pm - 3:20pm	CCC 1205

CPSP118D **College Park Scholars Colloquium I; Science, Discovery, and Universe**

CPSP118D College Park Scholars Colloquium I: Science, Discovery, and Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe. First colloquium will meet in CCC 1205.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1111	

CPSP118E **College Park Scholars Colloquium I; Environmental Studies**

CPSP118E College Park Scholars Colloquium I: Environmental Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environmental Studies.

0101	Bruce James W 5:00pm - 5:50pm Tu 3:00pm - 3:50pm	Seats (Total: 20) CCC 1100 CCC 1105	 Discussion
0201	Bruce James W 5:00pm - 5:50pm Tu 4:00pm - 4:50pm	Seats (Total: 20) CCC 1100 CCC 1105	 Discussion
0301	Bruce James W 5:00pm - 5:50pm Th 4:00pm - 4:50pm	Seats (Total: 20) CCC 1100 CCC 1105	 Discussion
0401	Bruce James W 5:00pm - 5:50pm Th 5:00pm - 5:50pm	Seats (Total: 20) CCC 1100 CCC 1105	 Discussion

CPSP118G **College Park Scholars Colloquium I; Earth, Life, and Time**

CPSP118G College Park Scholars Colloquium I: Earth, Life, and Time; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100	

CPSP118J **College Park Scholars Colloquium I; Media, Self, and Society**

CPSP118J College Park Scholars Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha, Kenneth Joseph Th 3:30pm - 4:50pm	Seats (Total: 90) CCC 1100	

CPSP118L **College Park Scholars Colloquium I; Life Sciences**

CPSP118L College Park Scholars Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Rebecca Kenemuth W 3:30pm - 5:30pm	Seats (Total: 115) PLS 1140	

CPSP118N **College Park Scholars Colloquium I; International Studies**

CPSP118N College Park Scholars Colloquium I: International Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - International Studies. This course will meet every other week. The first class will meet on September 8, 2008.

0101	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0103	Discussion
0102	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0118	Discussion
0103	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0122	Discussion
0104	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 2125	Discussion

CPSP118P **College Park Scholars Colloquium I; Public Leadership**

CPSP118P College Park Scholars Colloquium I: Public Leadership; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Stacy Kosko M 4:45pm - 6:00pm	Seats (Total: 25) CCC 1111
0201	Stacy Kosko Tu 11:00am - 12:15pm	Seats (Total: 25) CCC 1111
0301	Stacy Kosko Tu 4:30pm - 5:45pm	Seats (Total: 25) JMP 2202

CPSP118R **College Park Scholars Colloquium I; American Cultures**

CPSP118R College Park Scholars Colloquium I: American Cultures; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - American Cultures.

0101	Gary Ford Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1205

CPSP118T **College Park Scholars Colloquium I; Science, Technology, and Society**

CPSP118T College Park Scholars Colloquium I: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn M 3:30pm - 4:50pm	Seats (Total: 90) CCC 1205

CPSP218A **College Park Scholars Colloquium II; Arts**

CPSP218A College Park Scholars Colloquium II: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 7:15pm	Seats (Total: 80) CCC 1100

CPSP218B **College Park Scholars Colloquium II; Business, Society, and the Economy**

CPSP218B College Park Scholars Colloquium II: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 80) VMH 1333

CPSP218E **College Park Scholars Colloquium II; Environmental Studies**

CPSP218E College Park Scholars Colloquium II: Environmental Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environmental Studies.

0101	Megan Hughes M 4:00pm - 4:50pm	Seats (Total: 20) CCC 1105
0201	Megan Hughes M 5:00pm - 5:50pm	Seats (Total: 20) CCC 1105
0301	Megan Hughes W 3:00pm - 3:50pm	Seats (Total: 20) CCC 1105

CPSP218G **College Park Scholars Colloquium II; Earth, Life, and Time**

CPSP218G College Park Scholars Colloquium II: Earth, Life, and Time; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz M 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP218J **College Park Scholars Colloquium II; Media, Self, and Society**

CPSP218J College Park Scholars Colloquium II: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha, Kenneth Joseph Tu 2:00pm - 3:20pm	Seats (Total: 80) CCC 1100

CPSP218L **College Park Scholars Colloquium II; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Colloquium II: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed a a TBA) will meet on Tuesday, September 2, 2008 from 4-530pm in Symons 02 00.

0101	William Lamp Contact instructor or department for details. Tu 4:00pm - 6:00pm	Seats (Total: 22) PLS 1146
0201	John Hellman Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 22) PLS 1146
0301	Michele Dudash Contact instructor or department for details. Tu 4:00pm - 6:00pm	Seats (Total: 22) PLS 1119
0401	Patricia Shields Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 22) PLS 1164

CPSP218N **College Park Scholars Colloquium II; International Studies**

CPSP218N College Park Scholars Colloquium II: International Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars International Studies.

0101	James Glass Tu 5:00pm - 6:15pm	Seats (Total: 20) CCC 1205
0102	James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1111
0103	James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1115

0104	James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1200

CPSP218P **College Park Scholars Colloquium II; Public Leadership**

CPSP218P College Park Scholars Colloquium II: Public Leadership; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Jennifer Littlefield M 4:45pm - 6:00pm	Seats (Total: 25) CCC 1115
0201	Jennifer Littlefield Tu 11:00am - 12:15pm	Seats (Total: 25) CCC 1105
0301	Jennifer Littlefield Tu 4:30pm - 5:45pm	Seats (Total: 25) PLS 1115

CPSP218R **College Park Scholars Colloquium II; American Cultures**

CPSP218R College Park Scholars Colloquium II: American Cultures; (2 credits)
Grade Method: REG.
Restricted to College Park Scholars - American Cultures.

0101	Delores Phillips M 5:00pm - 6:20pm Contact instructor or department for details.	Seats (Total: 80) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: An [SB] CORE course and admission to College Park Scholars Program.* Capstone course for College Park Scholars - Science, Technology, and Society Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society.

0101	Thomas Zeller TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105

0201	John Matthews	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	CCC 1105	

CPSP229D **Supervised Online Communication Practicum; Science, Discovery, and the Universe**

CPSP229D Supervised Online Communication Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Matthew Zagursky	Seats (Total: 20)	
	W 4:30pm - 5:50pm	CCC 1205	
	Th 4:00pm - 5:15pm	JMP 2202	Discussion

CPSP229T **Supervised Online Communication Practicum; Science, Technology, and Society**

CPSP229T Supervised Online Communication Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0201	YuChi Liao	Seats (Total: 13)	
	W 5:00pm - 6:20pm	EGR 3140	

CPSP239 **Individual Practicum**
Contact department for information to register for this course.

CPSP239A **Individual Practicum; ARTS**
Contact department for information to register for this course.

CPSP239D **Individual Practicum; Science, Discovery, and the Universe**

CPSP239D Individual Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Stephen White	Seats (Total: 30)	
	W 4:30pm - 5:50pm	CCC 1205	
	Contact instructor or department for details.		

CPSP239E **Individual Practicum; Environmental Studies**

CPSP239E Individual Practicum: Environmental Studies; (1-3 credits) Grade Method: REG.

Restricted to College Park Scholars - Environmental Studies.

0101	Bruce James M 2:00pm - 3:15pm	Seats (Total: 14) CCC 1115
0102	Bruce James Tu 3:00pm - 4:15pm	Seats (Total: 14) CBD 1140
0103	Bruce James W 2:00pm - 3:15pm	Seats (Total: 14) CCC 1111

CPSP239L **Individual Practicum**

CPSP239L Individual Practicum; (1 credit) Grade Method: REG.

0101	John Hellman Contact instructor or department for details.	Seats (Total: 1)

CPSP239P **Individual Practicum; Individual Practicum**

Contact department for information to register for this course.

CPSP239R **Individual Practicum; American Cultures**

CPSP239R Individual Practicum: American Cultures; (1-3 credits) Grade Method: REG.

Restricted to College Park Scholars - American Cultures.

0101	Delores Phillips Contact instructor or department for details.	Seats (Total: 40)

CPSP239T **Individual Practicum; Science, Technology, and Society**

CPSP239T Individual Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.

Restricted to College Park Scholars-Science, Technology, and Society.

0101	Betsy Mendelsohn Th 3:40pm - 5:00pm	Seats (Total: 15) CHS 1108

0102	Betsy Mendelsohn Contact instructor or department for details.	Seats (Total: 10)

CPSP249D **Service-Learning; Science, Discovery, and the Universe**

CPSP249D Service-Learning: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Stephen White W 4:30pm - 5:50pm Contact instructor or department for details.	Seats (Total: 25) CCC 1205

CPSP249L **Service-Learning; Life Sciences**

CPSP249L Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	John Hellman Contact instructor or department for details.	Seats (Total: 20)

CPSP249T **Service-Learning; Science, Technology, and Society**

CPSP249T Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	William Evans W 3:40pm - 5:00pm	Seats (Total: 12) PAC 1108
0201	Betsy Mendelsohn Contact instructor or department for details.	Seats (Total: 10)

CPSP259C **Discovery Projects Research; Advocacy and Child Policy**

CPSP259C Discovery Projects Research: Advocacy and Child Policy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	Sharon Rubinstein W 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP259D **Discovery Projects Research; Science, Discovery, and the Universe**

CPSP259D Discovery Projects Research: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Stephen White W 4:30pm - 5:50pm M 4:30pm - 5:50pm	Seats (Total: 10) CCC 1205 CBD 1140

CPSP259J **Discovery Projects Research; Media, Self, and Society**
Contact department for information to register for this course.

CPSP318B **College Park Scholars Colloquium III; Business, Society and Economics**
Contact department for information to register for this course.

CPSP339 **Advanced Practicum**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum; Arts**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP339C **Advanced Practicum; Advocates for Children**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum; Environmental Studies**
Contact department for information to register for this course.

CPSP339G	**Advanced Practicum; Earth, Life, and Time** **Contact department for information to register for this course.**
CPSP339J	**Advanced Practicum; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP339L	**Advanced Practicum; Life Sciences** **Contact department for information to register for this course.**
CPSP339N	**Advanced Practicum; International Studies** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum; Public Leadership** **Contact department for information to register for this course.**
CPSP339R	**Advanced Practicum; American Cultures** **Contact department for information to register for this course.**
CPSP339T	**Advanced Practicum; Science, Technology, and Society** **Contact department for information to register for this course.**
CPSP369	**Guided College Park Scholars Teaching** **Contact department for information to register for this course.**
CPSP369A	**Guided College Park Scholars Teaching; Arts** **Contact department for information to register for this course.**
CPSP369B	**Guided College Park Scholars Teaching; Business, Society, and the Economy** **Contact department for information to register for this course.**
CPSP369C	**Guided College Park Scholars Teaching; Advocates for Children** **Contact department for information to register for this course.**
CPSP369D	**Guided College Park Scholars Teaching; Science, Discovery, and the Universe** **Contact department for information to register for this course.**
CPSP369E	**Guided College Park Scholars Teaching; Environmental Studies** **Contact department for information to register for this course.**

CPSP369G **Guided College Park Scholars Teaching; Earth, Life, and Time**
Contact department for information to register for this course.

CPSP369J **Guided College Park Scholars Teaching; Media, Self, and Society**
Contact department for information to register for this course.

CPSP369L **Guided College Park Scholars Teaching; Life Sciences**
Contact department for information to register for this course.

CPSP369N **Guided College Park Scholars Teaching; International Studies**
Contact department for information to register for this course.

CPSP369P **Guided College Park Scholars Teaching; Public Leadership**
Contact department for information to register for this course.

CPSP369R **Guided College Park Scholars Teaching; American Cultures**
Contact department for information to register for this course.

CPSP369T **Guided College Park Scholars Teaching; Science, Technology, and Society**
Contact department for information to register for this course.

DANC Dance Fall 2008

DANC102 **Rhythmic Training for Dance**

DANC102 *(PermReq)* **Rhythmic Training for Dance; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Restricted to DANC majors. All other majors will require permission.
Basic approaches to rhythmic principles related to dance. Course is offered in the fall semester only.

0101	Isiah Johnson	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PAC 1912	Lab

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: by permission of department.

0101	Tzveta Kassabova TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1912	Lab

DANC118 **Beginning Tap; Beginning Tap Dance**

DANC118 Beginning Tap: Beginning Tap Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Mary Slater TuTh 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	Lab
0102	Mary Slater TuTh 2:00pm - 3:15pm	Seats (Total: 25) PKT 2102	Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Vannia Ibarguen MW 9:30am - 10:45am	Seats (Total: 30) PKT 2102	Lab
0102	Heather Looney MW 11:00am - 12:15pm	Seats (Total: 30) PKT 2102	Lab
0103	Vannia Ibarguen MW 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	Lab

DANC138W **Introduction to Ethnic Dance; West African Dance**

DANC138W Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Diedre Dawkins TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab
0102	Diedre Dawkins TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	Lab

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Angella Foster MW 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	Lab
0102	Lauren Withhart TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	Lab
0103	Lauren Withhart TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	Lab
0104	Tzveta Kassabova TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1908	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Marissa Guerrero TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1908

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**
Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms. Lecture/discussion only - no studio activity.

0101	Diane DeFries TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0112
0201	Diane DeFries TuTh 12:30pm - 1:45pm	Seats (Total: 25) MMH 3418

0301	Barbara Gaskill MWF 9:00am - 9:50am	Seats (Total: 35) PAC 1809	
0401	Barbara Gaskill MWF 10:00am - 10:50am	Seats (Total: 35) PAC 1809	
0501	Angella Foster TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1809	

DANC200S **Introduction to Dance**

DANC200S Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Restricted to College Park Scholars - Arts.

0201	Diane DeFries TuTh 12:30pm - 1:45pm	Seats (Total: 10) MMH 3418	

DANC208 **Choreography I**

DANC208 Choreography I; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: DANC 102 and DANC 109. Dance majors or by permission of the department only.

0101	Alvin Mayes MWF 2:00pm - 3:20pm	Seats (Total: 12) PAC 1912	Lab

DANC210 **Dance Production**

DANC210 Dance Production; (3 credits) Grade Method: REG/P-F/AUD.
A survey of theatre crafts and techniques involved in dance production, including lighting, sound, set and costume design and construction, stage-management and videotaping.

0101	Paul Jackson WF 3:30pm - 4:50pm M 3:30pm - 4:50pm	Seats (Total: 15) PAC 1924 PAC 1610	 Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: dance major standing or permission of department.

0101	Sharon Mansur	Seats (Total: 25)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC248 or permission of department.

0101	Alvin Mayes	Seats (Total: 25)	
	MWF 9:30am - 10:45am	PAC 1912	Lab

DANC258 **Jazz I**

DANC258 Jazz I; (2 credits) Grade Method: REG/P-F/AUD.

0101	Marissa Guerrero	Seats (Total: 27)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**
Contact department for information to register for this course.

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite DANC 208. Dance majors or permission of department required.

0101	Karen Bradley	Seats (Total: 14)	
	MWF 3:30pm - 4:50pm	PAC 1912	Lab

DANC328 **Ballet III**

DANC328 *(PermReq)* **Ballet III; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV**

DANC329 *(PermReq)* **Ballet IV; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Dawn Springer	Seats (Total: 20)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Gesel Mason	Seats (Total: 20)	
	MWF 11:00am - 12:20pm	PAC 1610	Lab

DANC370 **Kinesiology for Dancers**

DANC370 Kinesiology for Dancers; (4 credits) Grade Method: REG/P-F/AUD.
For DANC majors only. A study of the biological and physical principles of movement and the effects of dancing upon the structure and function of the human body.

0101	Sharon Mansur	Seats (Total: 22)	
	MWF 9:00am - 10:45am	PAC 1815	

DANC379 **Practicum in Dance**

DANC379 Practicum in Dance; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Meriam Rosen	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	PAC 1610	Lab

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC388 **Choreography III**

DANC388 Choreography III; (3 credits) Grade Method: REG/P-F/AUD.
Dance majors or by the permission of the department only.

0101	Meriam Rosen	Seats (Total: 10)	
	TuTh 3:30pm - 4:45pm	PAC 1610	Lab

DANC398 **Directed Studies in Dance**
Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**
Contact department for information to register for this course.

DANC410 **Technical Theater Production for Dance**

DANC410 Technical Theater Production for Dance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC210 or equivalent (or permission of department). A study of the theoretical principles of production and the practical application of those principles to the presentation of dance works.

0101	Paul Jackson	Seats (Total: 5)	
	TBA	PAC 1810	

DANC448 **Modern Dance V**

DANC448 Modern Dance V; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC 349 and aududition.

0101	Dawn Springer	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 Modern Dance VI; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC 448 and permission from the department

0101	Dawn Springer	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC479 **Advanced Practicum in Dance**

DANC479 Advanced Practicum in Dance; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	
0102	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

DANC483 **History of Dance II**

DANC483 History of Dance II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC200. The development of dance from the Renaissance period to the present time and the relationship of dance forms to patterns of culture.

0101	Karen Bradley	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PAC 1809	

DANC489 **Special Topics in Dance**

DANC489 Special Topics in Dance; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Meriam Rosen	Seats (Total: 12)
	Contact instructor or department for details.	

DANC499 **Practicum in Choreography, Production and Performance IV**
Contact department for information to register for this course.

DANC608 **Choreography for Groups**

DANC608 Choreography for Groups; (3 credits) Grade Method: REG/AUD.

0101	Karen Bradley	Seats (Total: 5)	
	MW 3:30pm - 5:00pm	PAC 1611	Lab

DANC610 **Workshop in the Direction of Dance Production**

DANC610 Workshop in the Direction of Dance Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: DANC 410 or equivalent. A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Paul Jackson	Seats (Total: 5)
	Contact instructor or department for details.	

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Dawn Springer	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Dawn Springer	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC679 **Graduate Dance Performance**

DANC679 Graduate Dance Performance; (1-3 credits) Grade Method: REG/AUD.

0201	Meriam Rosen	Seats (Total: 4)	
	TuTh 2:00pm - 3:15pm	PAC 1610	Lab

DANC689 **Special Topics in Dance**

DANC689 Special Topics in Dance; (1-3 credits) Grade Method: REG/AUD.

0101	Meriam Rosen	Seats (Total: 5)
	Contact instructor or department for details.	

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC708 **Advanced Seminar in Choreography**

DANC708 Advanced Seminar in Choreography; (1-3 credits) Grade Method: REG/AUD.

0101	Karen Bradley	Seats (Total: 5)	
	MW 3:30pm - 5:00pm	PAC 1611	

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)	
0501	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)	

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON Economics Fall 2008

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	Henry Terrell TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 31) TYD 0130 TYD 1108	 Discussion

2102	Henry Terrell TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 1118	Discussion
2103	Henry Terrell TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 ASY 3203	Discussion
2104	Henry Terrell TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 KEY 0126	Discussion
2105	Henry Terrell TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 31) TYD 0130 KEY 0103	Discussion
2106	Henry Terrell TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 ASY 3211	Discussion
2107	Henry Terrell TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2108	Henry Terrell TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 MMH 3418	Discussion
2109	Henry Terrell TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 KEY 1117	Discussion
2110	Henry Terrell TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 KEY 0116	Discussion
2111	Henry Terrell TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 31) TYD 0130 JRN 1105	Discussion

2112	Henry Terrell TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 ASY 3207	Discussion
2113	Henry Terrell TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2114	Henry Terrell TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 LEF 1201	Discussion
2201	Cindy Clement TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 ARM 0103	Discussion
2202	Cindy Clement TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 ASY 3203	Discussion
2203	Cindy Clement TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 MMH 0108	Discussion
2204	Cindy Clement TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 JRN 1105	Discussion
2205	Cindy Clement TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2206	Cindy Clement TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2207	Cindy Clement TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 ASY 3207	Discussion

2208	Cindy Clement TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 0111	Discussion
2209	Cindy Clement TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 MMH 1304	Discussion
2210	Cindy Clement TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 TYD 0111	Discussion
2211	Cindy Clement TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 MMH 0108	Discussion
2212	Cindy Clement TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2213	Cindy Clement TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 ASY 3207	Discussion
2214	Cindy Clement TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2301	Cindy Clement TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2302	Cindy Clement TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 BPS 1228	Discussion
2303	Cindy Clement TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 0111	Discussion

2304	Cindy Clement TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 MMH 3418	Discussion
2305	Cindy Clement TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 KEY 0103	Discussion
2306	Cindy Clement TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 ARM 0116	Discussion
2307	Cindy Clement TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2308	Cindy Clement TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 KEY 0103	Discussion
2309	Cindy Clement TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 JRN 1105	Discussion
2310	Cindy Clement TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 JMZ 0103	Discussion
2311	Cindy Clement TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 COL 0102	Discussion
2312	Cindy Clement TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 MMH 3418	Discussion
2313	Cindy Clement TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 HJP 1229	Discussion

2314	Cindy Clement TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 BPS 0283	 Discussion

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	John Neri MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 420) TYD 0130 TYD 0130	 Discussion
2001	Henry Terrell TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 200) ARM 0126 SKN 0200	 Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241.
Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Erkut Ozbay MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 TYD 1102	 Discussion

0102	Erkut Ozbay MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 TYD 1108	Discussion
0103	Erkut Ozbay MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 TYD 2102	Discussion
0104	Erkut Ozbay MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 TYD 2110	Discussion
0105	Erkut Ozbay MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 COL 0102	Discussion
0106	Erkut Ozbay MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 HZF 0106	Discussion
0201	Giulia Cangiano MW 8:00am - 9:15am	Seats (Total: 40) TYD 2102	
0301	Alessandro Orfei TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 2102	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri MW 3:30pm - 4:45pm	Seats (Total: 140) ARM 0126	

0201	Harry Kelejian TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) ARM 0135 LEF 2166	Discussion
0202	Harry Kelejian TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) ARM 0135 TYD 2108	Discussion
0203	Harry Kelejian TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) ARM 0135 BPS 1238	Discussion
0204	Harry Kelejian TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 30) ARM 0135 TYD 1108	Discussion
0205	Harry Kelejian TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) ARM 0135 TYD 1108	Discussion
0206	Harry Kelejian TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 TYD 2108	Discussion

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0401	Peter Coughlin TuTh 3:30pm - 4:45pm	Seats (Total: 260) TYD 0130

ECON310 **European Economic History**
Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Topics include: the British settlement of the North American colonies, economic development in the colonial period, the economics of the American Revolution, the writing of the Constitution, the development of financial markets in the early 19th century, public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0201	John Wallis	Seats (Total: 220)
	TuTh 12:30pm - 1:45pm	SHM 2102

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (ECON200 and ECON201) or ECON205. Credit will be granted for only one of the following: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Ariel Benyishay	Seats (Total: 40)
	MW 2:00pm - 3:15pm	MMH 3418

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only. Not open to students who have completed BMGT230 (unless with department permission) or BMGT231. Credit will be granted for only one of the following: BMGT230, BMGT231 or ECON321. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Huaqiang Ma	Seats (Total: 200)
	TuTh 9:30am - 10:45am	ARM 0126

0201	Adil Mohommad TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1117	
0301	Bingjie Hu MW 9:30am - 10:45am	Seats (Total: 40) TYD 0101	

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sadik Aruoba MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 30) SHM 2102 KEY 0121	Discussion
0102	Sadik Aruoba MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 30) SHM 2102 HBK 1112	Discussion
0103	Sadik Aruoba MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 30) SHM 2102 HJP 1229	Discussion
0104	Sadik Aruoba MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 30) SHM 2102 KEY 0116	Discussion
0105	Sadik Aruoba MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 30) SHM 2102 TYD 1114	Discussion
0106	Sadik Aruoba MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 30) SHM 2102 TYD 0101	Discussion

0201	Sanjay Chugh TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) CHM 1402 MTH 0411	Discussion
0202	Sanjay Chugh TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) CHM 1402 MTH 0411	Discussion
0203	Sanjay Chugh TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) CHM 1402 MTH 0307	Discussion

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asysmetric information.

0101	Melissa Kearney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 ARM 0103	Discussion
0102	Melissa Kearney MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 BPS 1228	Discussion
0103	Melissa Kearney MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 1132	Discussion
0104	Melissa Kearney MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 TYD 1132	Discussion

0105	Melissa Kearney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 LEF 1220	Discussion
0106	Melissa Kearney MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 LEF 1220	Discussion
0201	Vesela Grozeva TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132	
0301	Charles Hulten MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0105 TYD 2108	Discussion
0302	Charles Hulten MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0105 TYD 0102	Discussion
0303	Charles Hulten MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) JMZ 0105 EDU 3233	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri MW 8:00am - 9:15am	Seats (Total: 260) TYD 0130	
SG91	John Shea F 10:00am - 12:40pm *Registration is restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 180) SGI 134	

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. Credit will be granted for only one of the following: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

0101	Juliana Araujo MWF 3:00pm - 3:50pm	Seats (Total: 40) TYD 2109
SG91	Barbara Lowrey MW 11:00am - 12:15pm	Seats (Total: 45) SG3 3230
	Registration is restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Barbara Lowrey MW 12:30pm - 1:45pm	Seats (Total: 45) SG3 3230
	Registration is restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Richard Haas TuTh 9:30am - 10:45am	Seats (Total: 45) SG3 3230
	Registration is restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisites: (ECON200 and ECON201) or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Kathleen Short TuTh 8:00am - 9:15am	Seats (Total: 40) TYD 1132

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA > 2.75; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON396 **Independent Honors Study**

ECON396 *(PermReq)* **Independent Honors Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422 and permission of department. Normally taken in senior year. Course will explore selected topics in economic theory and its application in depth. Analysis of methodologies in economic research and the development of student skills in research methods. Students will prepare workshop papers.

0101	Carlos Vegh	Seats (Total: 25)
	Tu 2:00pm - 4:45pm	JMZ 1120

ECON397 **Honors Thesis**
Contact department for information to register for this course.

ECON398 **Topics in Economics**
Contact department for information to register for this course.

ECON398H **Topics in Economics; British Economy and Financial System**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial Systems**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Reading and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	John Sabelhaus TuTh 6:00pm - 7:15pm	Seats (Total: 40) TYD 1102
0201	John Sabelhaus MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 1132
SG91	Mahlon Straszheim M 2:00pm - 4:40pm	Seats (Total: 36) SGII 2062
	Registration is restricted to BMGT-Shady Grove majors. Other students m y request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON407 **Advanced Macroeconomics**

ECON407 Advanced Macroeconomics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 with a grade of 'C' (2.0) or better (or ECON305 by permission of department). For ECON majors only. An in-depth analysis of current issues in macroeconomic theory and policy. Topics covered include: 1. alternative perspectives on macroeconomics including monetarism, new classical equilibrium models, rational expectations, and real business cycle models; 2. long term growth, the slowdown in productivity growth, and concerns about U.S. competitiveness; 3. the effectiveness of macroeconomic policy in an open economy; 4. the effects of finance on the real sector.

0201	Jose Tessada	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TYD 1132

ECON412 **Economic History and Modern Development**

ECON412 Economic History and Modern Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON306 and ECON305 by permission). For ECON majors only. Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institional changes in how societies organize economic and political activities.

0101	John Tang	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	HJP 2242

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Terence Johnson	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	SYM 0200

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Christopher McKelvey TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1118
0201	Sandeep Singh MWF 11:00am - 11:50am	Seats (Total: 40) CHE 2136
0301	Keith Kranker TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 1101
0401	Quynh Nguyen TuTh 9:30am - 10:45am	Seats (Total: 40) COL 0113

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of 'C' (2.0) or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Razvan Vlaicu WF 11:00am - 12:15pm	Seats (Total: 40) VMH 1207
0201	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 92) HJP 2242

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Ginger Jin TuTh 9:30am - 10:45am	Seats (Total: 36) PLS 1129
0201	Tamara Hayford TuTh 8:00am - 9:15am	Seats (Total: 36) PLS 1129

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Finance majors will not receive credit for ECON435. Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed BMGT343 (for credit). Credit will be granted for only one of the following: BMGT343 or ECON435. Formerly ECON398F. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Ha Nguyen MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2106

ECON441 **Theory of International Economics**

ECON441 Theory of International Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Not open to students who have completed ECON340. Credit will be granted for only one of the following: ECON340 or ECON441. Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

0101	Nuno Limao MW 9:30am - 10:45am	Seats (Total: 22) LEF 1221
0201	Sebastian Miller TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1114
0301	Fernando Im MW 2:00pm - 3:15pm	Seats (Total: 40) BPS 1238

ECON442 **Globalization and Capital Markets**

ECON442 *(PermReq)* **Globalization and Capital Markets; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398M or ECON442. Formerly ECON398M. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Enrique Mendoza MW 2:00pm - 3:15pm	Seats (Total: 25) LEF 1220

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	TYD 1114

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0201	Jessica Hennessey	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TYD 1132

ECON456 **Law and Economics**

ECON456 Law and Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity issues in the rule and market environment.

0101	David Givens	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	HJP 1229

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only.* Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Stephen Hutton TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2108	
0201	Li Tang TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0117	

ECON470 **Theory of Labor Economics**

ECON470 Theory of Labor Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON370 or ECON470.* An analytical treatment of theories of labor markets. Marginal productivity theory of labor demand; allocation of time in household labor supply models; theory of human capital; earnings differentials; market structure and the efficiency of labor markets; the role of trade unions; discrimination; and unemployment.

0201	Keith Bergstresser TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 2102	
0202	Yeon Kim MW 9:30am - 10:45am	Seats (Total: 40) TYD 2102	

ECON601 **Macroeconomic Analysis I**

ECON601 Macroeconomic Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 600 or permission of department.* Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	Allan Drazen, John Shea MW 9:30am - 10:45am M 5:00pm - 7:00pm	Seats (Total: 40) TYD 2106 TYD 1114	 Discussion

ECON603 **Microeconomic Analysis I**

ECON603 Microeconomic Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 600 or permission of department. A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Emel Filiz Ozbay, Lawrence Ausubel TuTh 2:00pm - 3:15pm Th 3:30pm - 5:30pm	Seats (Total: 35) TYD 2111 TYD 1132	 Discussion
0201	Emel Filiz Ozbay, Lawrence Ausubel TuTh 11:00am - 12:15pm F 12:00pm - 1:45pm	Seats (Total: 35) TYD 1114 TYD 2111	 Discussion

ECON611 **Seminar in American Economic Development**

ECON611 Seminar in American Economic Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Selected topics in the long-term movements of the American economy. Quantitative studies of the growth of output; applications of econometric methods and economic theory to topics in American economic history.

0101	John Wallis TuTh 2:00pm - 3:15pm	Seats (Total: 20) ARC 1125	

ECON615 **Economic Development of Less-Developed Areas**

ECON615 Economic Development of Less-Developed Areas; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Analysis of the forces contributing to and retarding economic progress in less-developed areas. Topics include the relationship of international trade to development, import-substituting and export-led industrialization, the effects of population growth on economic development, and the analysis of institutions and institutional change in land tenure, finance, and labor markets.

0101	Christopher McKelvey TuTh 5:00pm - 6:15pm	Seats (Total: 20) KEY 0125	

ECON623 **Advanced Econometrics I**

ECON623 Advanced Econometrics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: advanced undergraduate course in probability and statistics with permission of department.* Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Small and large sample properties of estimators. Instrumental variables estimation and quantile regression methods.

0101	John Chao TuTh 12:30pm - 1:45pm W 3:30pm - 5:15pm	Seats (Total: 25) TYD 2110 TYD 2111	 Discussion

ECON626 **Empirical Microeconomics**

ECON626 Empirical Microeconomics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON622 or ECON721 or permission of instructor. For ECON majors only.* To provide students with the opportunity to use Empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, and selected samples, the analysis of natural experiments, and quantile regressions.This course will emphasize hands-on practical experience.

0101	Raymond Guiteras MW 11:00am - 12:15pm	Seats (Total: 30) TYD 2102	

ECON630 **Macroeconomic Computation**

ECON630 Macroeconomic Computation; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON601 and ECON602. ECON majors only and non-ECON major by permission of department.* Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered. For ECON majors only.

0101	Pablo D'Erasmo, Sadik Aruoba TuTh 11:00am - 12:15pm	Seats (Total: 15) Location: TBA

ECON652 **Public Economics I**

ECON652 Public Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 604 and ECON 621; or ECON 624. The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.

0101	Mark Duggan MW 9:30am - 10:45am	Seats (Total: 20) LEF 1222

ECON662 **Industry Structure, Conduct, and Performance**

ECON662 Industry Structure, Conduct, and Performance; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This course studies theories of industry structure, conduct and performance. Topics inlcude long run industry structures and dynamics, d durable goods monopoly, price discrimination, classical models of oligopoly, models of entry and limit pricing, dynamic oligopoly and collusion, R&D ubcebtuves abd competitive R&D.

0101	Daniel Vincent TuTh 12:30pm - 1:45pm	Seats (Total: 20) TYD 0101

ECON681 **Comparative Institutional Economics I**

ECON681 Comparative Institutional Economics I; (3 credits) Grade Method: REG/AUD.
Analysis of the nature of institutions, their origins, development and construction, and their effects, using microeconomic theory and applied econometrics. Understanding economic institutions by focusing on three central examples; property, contract, and decentralization. Investigating the origins, causes and consequences of institutional change through analysis of the determinants of per capita incomes, the effects of different legal systems, the influence of culture, the progress of transition economies, and the structure of China's reforms.

0101	Peter Murrell	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2110

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON701 **Advanced Macroeconomics I**

ECON701 Advanced Macroeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 601; and ECON 602.* Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	Sanjay Chugh	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TYD 1132

ECON703 **Advanced Microeconomics I**

ECON703 Advanced Microeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604.* Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.

0101	Peter Cramton TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Erkut Ozbay MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0201	Emel Filiz Ozbay Contact instructor or department for details.	Seats (Total: 15)
0301	Ingmar Prucha Contact instructor or department for details.	Seats (Total: 15)
0401	Mahlon Straszheim Contact instructor or department for details.	Seats (Total: 15)
0501	John Chao Contact instructor or department for details.	Seats (Total: 15)

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Enrique Mendoza TuTh 12:30pm - 1:45pm	Seats (Total: 15) TYD 1132
0201	Charles Hulten Contact instructor or department for details.	Seats (Total: 15)

0301	Sadik Aruoba Contact instructor or department for details.	Seats (Total: 15)
0401	Razvan Vlaicu Contact instructor or department for details.	Seats (Total: 10)
0501	Anton Korinek Contact instructor or department for details.	Seats (Total: 15)

ECON721 **Econometrics III**

ECON721 Econometrics III; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 624 or permission of instructor. A continuation of ECON 624. Estimation hypothesis testing and prediction in various generalized linear regression models, and in dynamic and simultaneous equation models. Topics include: autocorrelation, heteroskedasticity, seemingly unrelated regressions, cross section and time-series models, and general testing principles for significance.

0101	John Chao TuTh 5:00pm - 6:15pm	Seats (Total: 20) TYD 0101

ECON741 **Advanced International Economics I**

ECON741 Advanced International Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.

0101	Carlos Vegh W 5:15pm - 7:45pm	Seats (Total: 20) JMZ 0118

ECON754 **Topics in Political Economy I**

ECON754 Topics in Political Economy I; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON602 and ECON604 or permission of department. Study of political determinants of macroeconomic outcomes. Time inconsistency in monetary and fiscal policy, political business cycles. Political models of redistribution, delay in reform, transition, growth, and international policymaking.

0101	Allan Drazen	Seats (Total: 20)
	MW 2:00pm - 3:20pm	TYD 2110

ECON771 **Advanced Labor Economics: Theory and Evidence**

ECON771 Advanced Labor Economics: Theory and Evidence; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603, and (ECON 621, or ECON 624) or permission of department. Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.

0101	Judith Hellerstein	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 0101

ECON785 **Advanced Economics of Natural Resources**

ECON785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624). The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 20)
	MW 12:30pm - 1:45pm	SYM 0215

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

ECON808 Workshop on Macroeconomics and Growth: Workshop in Applied Economics; (2 credits) Grade Method: S-F/AUD.

0101	Sadik Aruoba W 3:30pm - 5:30pm	Seats (Total: 20) TYD 1108
0201	Sanjay Chugh W 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 5:30pm	Seats (Total: 20) KEY 0123

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 Workshop in International Development, and Comparative Economics; (2 credits) Grade Method: S-F/AUD.

0101	Nuno Limao M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2111
0201	Razvan Vlaicu M 3:30pm - 5:30pm	Seats (Total: 20) KEY 0117

ECON868 **Workshop in Industrial Organization**

ECON868 Workshop in Industrial Organization; (2 credits) Grade Method: S-F/AUD.

0101	Lawrence Ausubel Tu 3:30pm - 5:30pm	Seats (Total: 20) TYD 2106

ECON878 **Workshop in Labor Economics**

ECON878 Workshop in Labor Economics; (2 credits) Grade Method: S-F/AUD.

0101	Melissa Kearney Th 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118
0201	Christopher McKelvey Th 3:30pm - 5:30pm	Seats (Total: 20) WDS 1130

ECON888 **Workshop in Comparative Institutional Economics**

ECON888 Workshop in Comparative Institutional Economics; (2 credits) Grade Method: REG/AUD.

0101	John Wallis M 3:30pm - 5:30pm	Seats (Total: 10) TYD 2102

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Fall 2008

EDCI280 **Introduction to Teaching**

EDCI280 Introduction to Teaching; (3 credits) Grade Method: REG. Development of conceptual understanding of the teaching-learning process. Seminar to coordinate on-and off-campus experiences. Two hours each week on campus with an arranged six hours each week in schools.

0201	Gwendalina McClain-Digby Tu 1:00pm - 2:45pm Tu 9:00am - 12:00pm	Seats (Total: 30) EDU 2121 Location: TBA	 Lab

0301	Tommy Totten Th 2:00pm - 3:50pm Th 9:00am - 12:00pm	Seats (Total: 30) EDU 1121 Location: TBA	Lab

EDCI288D **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288D Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG.

0101	Tilahun Beyene MW 8:30am - 12:00pm	Seats (Total: 20) Location: TBA

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tilahun Beyene Contact instructor or department for details.	Seats (Total: 150)

EDCI288L **Special Topics in Teacher Education; exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: exploring Teaching as a Career; (1 credit) Grade Method: REG.
Meets on 9/12, 9/26, 10/17, 11/14 and 12/5.

0101	Saroja Barnes Tu 6:00pm - 9:00pm	Seats (Total: 20) ASY 3215

EDCI288M **Special Topics in Teacher Education; America Counts**

EDCI288M Special Topics in Teacher Education: America Counts; (1 credit) Grade Method: REG.

0101	Jessica Bancroft Tu 5:00pm - 7:00pm	Seats (Total: 20) JMZ 3203

EDCI288T **Special Topics in Teacher Education; Internship in Informal Science Education**

EDCI288T *(PermReq)* **Special Topics in Teacher Education: Internship in Informal Science Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	James McGinnis	Seats (Total: 30)
	Contact instructor or department for details.	

EDCI288X **Special Topics in Teacher Education; An Introduction to Teaching History**

EDCI288X Special Topics in Teacher Education: An Introduction to Teaching History; (1 credit) Grade Method: REG.
Corequisite: HIST156.

0101	Bruce VanSledright	Seats (Total: 25)
	Th 12:30pm - 1:45pm	TLF 2110

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI301 **Teaching Art in the Elementary School**

EDCI301 Teaching Art in the Elementary School; (3 credits) Grade Method: REG/P-F/AUD.
For elementary and pre-elementary education majors only. Not open to art education majors. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.

0101	Leslie Gates	Seats (Total: 20)
	W 9:00am - 11:50am	EDU 1315
0201	Leslie Gates	Seats (Total: 20)
	W 1:00pm - 4:00pm	EDU 1315

EDCI305A **Curriculum and Instruction in Elementary Education Cluster**

EDCI305A *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)

EDCI305B **Curriculum and Instruction in Elementary Education Cluster**

EDCI305B *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)

EDCI322A **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322A *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Eaker M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, and EDCI 488B section 0101.*	Seats (Total: 0) EDU 2212
0201	Claudine Costich Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, 488B sections 0201.*	Seats (Total: 0) EDU 2121

EDCI322B **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322B *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 342B, 352B, 362B, 372B section 0101, 488B section 0301. For registration purposes, please refer to EDCI 305B.

0101	Lisa Eaker M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342B, 352B, 362B, 372B-section 0101, 488B section 0301*	Seats (Total: 0) EDU 2121
0201	Kimberly Reddy Th 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI342B, 352B, 362B, 372B section 0201, and EDCI488B section 0401.*	Seats (Total: 0) EDU 2212

EDCI342A **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342A *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305A section 0101.

0101	John O'Flahavan M 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A- Section 0101, and 488B section 0101.*	Seats (Total: 0) EDU 2119
0201	Melissa Landa W 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-section 0201, and 488B-section 0201.*	Seats (Total: 0) EDU 3315

EDCI342B **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342B *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 352B, 362B, 372B, and 488B-section 0301. For regi stration purposes, please refer to EDCI305B.

0101	Summer Clark Tu 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-section 0101, and 488B-section 301.*	Seats (Total: 0) EDU 2119
0201	Melissa Landa Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-section 0201, and 488B-section 0401.*	Seats (Total: 0) EDU 2119

EDCI352A **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352A *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Bote Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A, and 488B-section 0101. For reg stration purposes, please refer to EDCI 305A section 0101.*	Seats (Total: 0) EDU 2121
0201	Lisa Bote W 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-section 0201, 488B-section 0201*	Seats (Total: 0) EDU 2121

EDCI352B **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352B *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305B- section 0101.

0101	Lisa Bote M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 362B, 372B section 0101, and EDCI 488B- section 0301.*	Seats (Total: 0) EDU 2121
0201	Lisa Bote Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A- section 0201 and 488B-section 0401.*	Seats (Total: 0) EDU 2121

EDCI355 **Field Experience in Secondary Mathematics Education**

EDCI355 *(PermReq)* **Field Experience in Secondary Mathematics Education; (1 credit)** Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and six semester hours of 400-level mathematics courses. For education majors only. Practical experience as an aide to a regular secondary mathematics teacher; assigned responsibilities and participation in a variety of teaching/learning activities. LAB/TBA: student observations on full day or two half days per week.

0101	Julius Davis Contact instructor or department for details.	Seats (Total: 20)

EDCI362 **Curriculum and Instruction in Elementary Education: Reading**
Contact department for information to register for this course.

EDCI362A **Curriculum and Instruction in Elementary Education: Reading**

EDCI362A *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322A, 342A, 352A, 372A, and 488B section 0201.

0101	Rose Codling M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, and EDCI 488B section 0101.*	Seats (Total: 0) EDU 2212
0201	Olivia Saracho W 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, and EDCI 488B section 0201.*	Seats (Total: 0) EDU 2119

EDCI362B **Curriculum and Instruction in Elementary Education: Reading**

EDCI362B *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 372B-section 0301 and EDCI488B-sectio n 0501.

0101	Hyejin Huh Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-section 0201 and EDCI488B-secti on 0301.*	Seats (Total: 0) EDU 2101
0201	Jennifer Gray Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-section 0201 and EDCI488B-secti n 0401.*	Seats (Total: 0) EDU 2119

EDCI372A **Curriculum and Instruction in Elementary Education: Science**

EDCI372A *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only.

0101	James McGinnis Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 362B-section 0301 and 488B section 0501.*	Seats (Total: 0) EDU 2212
0201	James McGinnis Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 362A and 488B-section 0201.*	Seats (Total: 0) EDU 2212

EDCI372B **Curriculum and Instruction in Elementary Education: Science**

EDCI372B *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 362B section 0101 and 488B-section 0301. For registration purposes, please refer to EDCI 305B.

0101	James McGinnis M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 0) EDU 2212
0201	Kelly Riedinger Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI322B, 342B, 352B, 362B-section 0201 488B-section 0401.*	Seats (Total: 0) EDU 2212

EDCI375 **Field Experience in Science Education**

EDCI375 Field Experience in Science Education; (1 credit) Grade Method: S-F. *Corequisite: EDCI470. For science education majors only.* This field experience course is designed to provide prospective teachers with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics includes planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.

0101	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 15)

EDCI385 **Computers for Teachers**

EDCI385 Computers for Teachers; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; and 2.5 GPA. For education majors only.* A first-level survey of instructional uses of computers, software, and related technology for preservice teachers.

0101	Kelly Schalk TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 1410
0201	Yu Bai TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSS 1410
0301	Peter Schaefer M 4:15pm - 7:00pm	Seats (Total: 20) CSS 1410

EDCI386 **Experiential Learning**

EDCI386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. *Prerequisite: permission of department. Junior standing.*

0101	Dawn Sherman Tu 2:00pm - 4:00pm	Seats (Total: 25) TYD 0102
0201	Dawn Sherman M 2:00pm - 4:00pm	Seats (Total: 25) EDU 1304A

EDCI400 **Field Experience in Art Education**

EDCI400 *(PermReq)* **Field Experience in Art Education; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department. For Art Education majors. Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons. Six hours for field experience required. Times to be arranged with the instructor. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA . This must be completed by April 10, 2007.

0101	Susan Hendricks	Seats (Total: 10)	
	Contact instructor or department for details.		

EDCI403 **Teaching Art Criticism and Aesthetics**

EDCI403 Teaching Art Criticism and Aesthetics; (3 credits) Grade Method: REG/P-F/AUD.
For art education majors only. Prerequisite: admission to teacher education program; 2.5 GPA; ARTH200 and ARTH201. Introduction to the teaching of art criticism and aesthetics in K-12 art education programs. Trips to galleries and museums.

0101	Susan Hendricks	Seats (Total: 25)	
	Th 9:00am - 12:00pm	EDU 1315	

EDCI406 **Technology and Two-Dimensional Art**

EDCI406 *(PermReq)* **Technology and Two-Dimensional Art; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; ARTT210; and permission of department. Junior standing. A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker	Seats (Total: 19)	
	Tu 1:00pm - 3:15pm	EDU 1315	
	Th 1:00pm - 3:15pm	EDU 1315	Lab

EDCI410 **Methods I: K-12 Foreign Language Methods and Technology**

EDCI410 Methods I: K-12 Foreign Language Methods and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 G.P.A.; and permission of department. Not open to students who have completed EDCI330. Credit will be granted for only one of the following: EDCI330 or EDCI410. Formerly EDCI330. The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories.

0101	Perla Blejer	Seats (Total: 15)
	MW 3:00pm - 4:20pm	EDU 2212

EDCI411 **Knowledge, Reasoning, and Learning in Science**

EDCI411 *(PermReq)* **Knowledge, Reasoning, and Learning in Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and permission of department. Junior standing. Credit will be granted for only one of the following: EDCI370 or EDCI411. Formerly EDCI370. For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Daniel Levin	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	EDU 2212

EDCI416 **Curriculum and Instruction in Secondary Education: English Speech Theatre**

EDCI416 *(PermReq)* **Curriculum and Instruction in Secondary Education: English Speech Theatre; (3 credits)** Grade Method: REG.
Prerequisites: admission to teacher education program; 2.5 GPA; and permission of department. Credit will be granted for only one of the following: EDCI340 or EDCI416. Formerly EDCI340. An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Reserve one half day for entire semester for field experience.

0101	Simone Gibson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 10) EDU 2119 EDU 0114	 Lab
0102	Stephen Koziol M 8:30am - 10:15am M 12:30pm - 2:20pm	Seats (Total: 10) EDU 2119 EDU 1210B	 Lab
0103	Sara Makris M 8:30am - 10:15am M 2:30pm - 4:15pm	Seats (Total: 10) EDU 2119 EDU 1210B	 Lab

EDCI423 **Art Education Methods II**

EDCI423 Art Education Methods II; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and EDCI405 or equivalent. Corequisite: EDCI400. For art education majors only. Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315	

EDCI426 **Materials and Resources in Social Studies**

EDCI426 *(PermReq)* **Materials and Resources in Social Studies; (3 credits)** Grade Method: REG.
Prerequisite: permission of department and 2.5 GPA. The course will emphasize the identification, appropriate selection, implementation and assessment of materials and resources that promote social studies instruction that is theory based for multiple settings.

0101	Lisa Eaker W 8:30am - 11:15am	Seats (Total: 20) EDU 2212
0201	Kevin Meuwissen Tu 1:00pm - 4:00pm Th 1:00pm - 4:00pm	Seats (Total: 20) HBK 0125 LEF 1221

EDCI427 **Curriculum and Instruction in Secondary Education: Social Studies and History**

EDCI427 *(PermReq)* **Curriculum and Instruction in Secondary Education: Social Studies and History; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDHD413 and EDHD420. Corequisite: EDCI428. For education majors only. Credit will be granted for only one of the following: EDCI320 or EDCI427. Formerly EDCI320. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to social studies education. Includes emphasis on multi-cultural education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA . This must be completed by April 10, 2006. This course will be co-taught by A. Murr ay.

0101	Alana Murray, David Rosenstein M 4:30pm - 7:15pm	Seats (Total: 35) EDU 2212

EDCI428 **Field Experience in Secondary Social Studies Teaching**

EDCI428 *(PermReq)* **Field Experience in Secondary Social Studies Teaching; (1 credit)** Grade Method: S-F.
Co-requisite: EDCI 427. Students must reserve one full day per week for observation.

0101	Lisa Katz Contact instructor or department for details.	Seats (Total: 35)

EDCI432 **Issues in the Education Language Learners**

EDCI432 Issues in the Education Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCI432 or EDCI488Q. Formerly EDCI488Q. Analysis of current research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 settings.

0101	Shannon Daniel	Seats (Total: 20)
	Th 4:15pm - 7:00pm	COL 0113

EDCI433 **Advanced K-12 Foreign Language Methods and Technology**

EDCI433 *(PermReq)* **Advanced K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: EDCI330, EDHD413, EDHD420 and permission of department. Corequisite: EDCI438. For EDCI majors only. Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio. Field experience (in co-requisite EDCI438) focuses on middle and high school. EDCI 438 must be taken concurrently with EDCI 433. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA . This must be completed by April 10, 2007.

0101	Perla Blejer	Seats (Total: 10)
	M 5:00pm - 7:45pm	EDU 0202

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

EDCI435 Teaching English Language Learners Reading and Writing in the Secondary Content Areas; (3 credits) Grade Method: REG/P-F/AUD.
Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

0101	Eunjou Oh	Seats (Total: 20)
	TuTh 1:00pm - 2:15pm	COL 3114

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCI436 or EDCI488T. Formerly EDCI488T. Understanding cultural issues in English Language Learner classes; techniques and resources for addressing such issues.

0101	Rashi Jain TuTh 11:00am - 12:15pm	Seats (Total: 20) COL 3114

EDCI438 **Field Experience in Second Language Education; Field Experience in Second Language Education**

EDCI438 *(PermReq)* **Field Experience in Second Language Education: Field Experience in Second Language Education; (1 credit)** Grade Method: S-F.
EDCI 433 must be taken concurrently with EDCI 438.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Melissa Landa MW 11:00am - 12:30pm	Seats (Total: 26) EDU 2121
0201	Lisa Stevens M 9:00am - 10:30am W 9:00am - 10:30am	Seats (Total: 26) EDU 0114 EDU 2119
0301	Lisa Stevens TuTh 11:00am - 12:30pm	Seats (Total: 26) EDU 3236

EDCI447 **Field Experience in English, Speech, Theatre Teaching**

EDCI447 Field Experience in English, Speech, Theatre Teaching; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA. Corequisite: EDCI417. For education majors only. Practical experience as an aide to a regular English, speech or drama teacher; assigned responsibilities and participation in a variety of teaching/learning activities. Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Peggy Wilson	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI455 **Methods of Teaching Mathematics in Secondary Schools**

EDCI455 Methods of Teaching Mathematics in Secondary Schools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement, and topics pertinent to mathematics education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA . This must be completed by April 10, 2006.

0101	Lawrence Clark	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	EDU 2121

EDCI457 **Teaching and Learning Middle School Mathematics**

EDCI457 Teaching and Learning Middle School Mathematics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program or permission of department; 2.5 GPA; and permission of department for post-baccalaureate students. Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics.

0101	Richard Hollenbeck TuTh 3:00pm - 5:00pm	Seats (Total: 25) EDU 2121

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0301	Rose Codling Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 28) EDU 2119 EDU 2121
IHP1	Jennifer Turner **Meets September 8, 2008 - December 18, 2008** Tu 12:30pm - 3:30pm *MCERT Outreach Course Offering, Shady Grove Center, Departmental Permission required.*	Seats (Total: 25) SGII 2042

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**
Contact department for information to register for this course.

EDCI463 **Reading in the Secondary School**

EDCI463 *(PermReq)* **Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts. Also offered as EDCI 661.

0101	Marilyn Chambliss MW 3:00pm - 4:15pm	Seats (Total: 30) EDU 2119

0201	Ayanna Baccus MW 3:00pm - 4:20pm	Seats (Total: 28) EDU 2121

EDCI466 **Literature for Adolescents**

EDCI466 Literature for Adolescents; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; 2.5 GPA. permission of department required for post-baccalaureate students. For education majors only.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Joseph McCaleb Th 10:00am - 12:40pm	Seats (Total: 30) EDU 2212A

EDCI467 **Teaching Writing**

EDCI467 Teaching Writing; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Sources and procedures for developing curriculum objectives and materials for teaching written composition; prewriting, composing, and revision procedures; contemporary directions in rhetorical theory; survey of research on composition instruction.

0101	Wayne Slater Th 5:00pm - 7:45pm	Seats (Total: 30) EDU 2121

EDCI470 **Practices in Secondary School Science Teaching**

EDCI470 Practices in Secondary School Science Teaching; (3 credits) Grade Method: REG. *Prerequisites: Admission to the Science Education Program and EDCI411 or permission of instructor.* Studies of student learning and instructional practices in science teaching.

0101	Stacy Pritchett W 5:00pm - 7:45pm	Seats (Total: 20) ASY 3215

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI322; and EDCI342; EDCI352; EDCI362; and EDCI372. Corequisite: EDCI464. Limited to elementary majors who have previously applied. There is a $400 fee assigned to this course.This course is a 16-week experience.

0101	John O'Flahavan	Seats (Total: 80)
	Contact instructor or department for details.	

EDCI485 **Student Teaching in Elementary School: Physical Education**

EDCI485 Student Teaching in Elementary School: Physical Education; (4-8 credits) Grade Method: S-F.
For EDCI majors only. Fulfills elementary teaching requirements in K-12 physical education programs. Limited to majors who have previously applied. There is a $400 fee assigned to this course.

0101	Ana Palla-Kane	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI488B **Selected Topics in Teacher Education; Classroom Management**

EDCI488B Selected Topics in Teacher Education: Classroom Management; (1 credit) Grade Method: REG.

0101	Susan Denvir	Seats (Total: 0)
	Tu 1:15pm - 4:00pm	EDU 0206
0201	Robin Bonica	Seats (Total: 0)
	Th 8:00am - 10:20am	EDU 2119
0301	Tracy Dunheimer	Seats (Total: 0)
	Tu 8:00am - 10:20am	EDU 2119
0401	Eugene Haines	Seats (Total: 0)
	Tu 1:15pm - 4:00pm	BPS 1232

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Connie North MW 12:30pm - 2:00pm	Seats (Total: 20) EDU 2119
0201	Summer Clark, Connie North, Simone Gibson MW 2:30pm - 4:00pm	Seats (Total: 25) EDU 2234

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI495 **Student Teaching in Secondary Schools: Physical Education**

EDCI495 Student Teaching in Secondary Schools: Physical Education; (2-8 credits) Grade Method: S-F.
For EDCI majors only. There is a $400 fee assigned to this course.

0101	Ana Palla-Kane Contact instructor or department for details.	Seats (Total: 20)

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588B **Special Topics in Curriculum & Instruction; Lenses on Learning**

EDCI588B Special Topics in Curriculum & Instruction: Lenses on Learning; (1-3 credits) Grade Method: REG.

IHP1	Paula Duckett Th 5:00pm - 8:00pm	Seats (Total: 20) Location: TBA

Prerequisite: permission of deparment. Outreach offering, Center for Mathematics Education. The section will be held at Beltsville Elementary School (PGCPS).

EDCI588D **Special Topics in Curriculum & Instruction; Teach, Coach, Reflect**
Contact department for information to register for this course.

EDCI588E **Special Topics in Curriculum & Instruction; Culturally Responsive Teaching and Classroom Management for Urban Schools**
Contact department for information to register for this course.

EDCI588F **Special Topics in Curriculum & Instruction; Applying Culturally Relevant Teaching Pedagogy in Mathematics**
Contact department for information to register for this course.

EDCI588G **Special Topics in Curriculum & Instruction; Lenses on Learning for Coaches**
Contact department for information to register for this course.

EDCI602 **The Teaching of Aesthetics in the Public Schools**

EDCI602 The Teaching of Aesthetics in the Public Schools; (3 credits) Grade Method: REG/AUD.
Critical investigation of art, and curriculum implications.

0101	Margaret Walker Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 *(PermReq)* **Studying Student Learning in Diverse Settings; (3 credits)** Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Kara Trenkamp **Meets September 8, 2008 - December 18, 2008** Tu 9:00am - 12:00pm	Seats (Total: 25) SGII 3052
	MCERT Outreach Course Offering, Shady Grove Center, Departmental Permission required.	

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

EDCI630 Foundations of Second Language Education: Legal, Social and Historical Trends and Issues; (3 credits) Grade Method: REG/AUD.
Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

0101	Pamela Hickey Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2119

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Techniques and content for teaching in foreign language classes, and English as a second language (ESL) classes. Research and evaluation of selected aspects of a culture as basis for creating teaching materials.

0101	Howard Stein M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2234

EDCI634 **Methods of Teaching ESOL**

EDCI634 Methods of Teaching ESOL; (3 credits) Grade Method: REG/AUD.
This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

0101	Roberta Lavine W 5:00pm - 7:45pm	Seats (Total: 20) PLS 1129

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

EDCI635 English Grammar for Teachers of English to Speakers of Other Languages; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Denis Sullivan Tu 5:00pm - 7:45pm	Seats (Total: 25) HBK 1116

EDCI636 **Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

EDCI636 *(PermReq)* **Teaching ESOL Reading and Writing in the Elementary Classroom Areas; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI 634. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.

0101	Hollis Stein Th 4:15pm - 7:00pm	Seats (Total: 19) ASY 3221
IHP1	Susan Bresee Tu 5:00pm - 7:45pm *MCERT Outreach Course Offering, Hoyer Center (PGCPS), Departmental Perm ssion required.*	Seats (Total: 6) Location: TBA

EDCI637 **Advanced Laboratory Practice in Foreign Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 434; and EDCI 634; or permission of department. Supervised internship in TESOL setting. There is a $400 fee assigned to this course.

0101	Colleen Gallagher	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI640 **Trends in Secondary School Curriculum: English**

EDCI640 *(PermReq)* **Trends in Secondary School Curriculum: English; (3 credits)** Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in English education.

IHP1	Kathleen Travers	Seats (Total: 10)
	M 5:30pm - 8:30pm	SGII 3022
	MERT Outreach Course Offering, Shady Grove Campus, Departmental Permiss on required.	
IHP2	Peggy Wilson	Seats (Total: 9)
	M 5:15pm - 8:00pm	Location: TBA
	MCERT Outreach Course Offering, Northwestern High School (PGCPS), Depar mental Permission required.	

EDCI650 **Trends in Mathematics Education**

EDCI650 Trends in Mathematics Education; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice which have affected the curriculum in mathematics.

0101	Kimberly Bethea	Seats (Total: 25)
	W 4:30pm - 7:15pm	EDU 2121

EDCI651 **Teaching and Learning Mathematics in Secondary Schools**

EDCI651 *(PermReq)* **Teaching and Learning Mathematics in Secondary Schools; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; bachelor's degree in mathematics or related field; and 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required.

IHP1	Andrew Brantlinger	Seats (Total: 10)
	Tu 5:30pm - 8:30pm	Location: TBA
	MCERT Outreach Course Offering, Judy Hoyer Center, Deparmental Permission Required.	

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 *(PermReq)* **Teaching and Learning Mathematics in the Elementary School; (3 credits)** Grade Method: REG.
Prerequisite: MATH212; MATH213, MATH214 or equivalent. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IHP2	Ann Edwards	Seats (Total: 25)
	Meets September 8, 2008 - December 18, 2008	
	M 12:30pm - 3:30pm	Location: TBA
	MCERT Outreach course offering, Judy Hoyer Center. Departmental permission required.	

EDCI654 **Assessing Mathematical Understanding**
Contact department for information to register for this course.

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**
Contact department for information to register for this course.

EDCI660 **Diagnostic Reading Instruction**

EDCI660 *(PermReq)* **Diagnostic Reading Instruction; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362 or EDCI463 or equivalent. Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.

0101	Peter Afflerbach	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 2119

EDCI662 **Diagnostic Reading Assessment and Instruction**

EDCI662 Diagnostic Reading Assessment and Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.

SPG1	Ayanna Baccus	Seats (Total: 20)
	Meets September 2, 2008 - December 20, 2008	
	Tu 5:00pm - 8:00pm	SGII 3052
	Enrollment in this course is limited to students participating in the Montgomery County Literacy Coaching Certificate program. This course will be taught at the Shady Grove campus.	
SPG2	Ayanna Baccus	Seats (Total: 20)
	Meets September 2, 2008 - December 20, 2008	
	W 5:00pm - 8:00pm	Location: TBA
	Enrollment in this course is limited to students participating in the Prince Georges County Literacy Coaching Certificate Program. This course will be taught at the Hoyer Center (Cool Spring Elem. School).	

EDCI663 **Issues in Reading Education**

EDCI663 Issues in Reading Education; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI660.* Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.

0101	Mariam Dreher	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 2234

EDCI664 **Clinical Assessment in Reading**

EDCI664 Clinical Assessment in Reading; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI661 and EDCI663; or permission of department.* Clinical diagnostic techniques and materials for assessing reading strengths and needs.

0101	Rose Codling	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	JMZ 0208

EDCI670 **Trends in School Curriculum: Science**

EDCI670 Trends in School Curriculum: Science; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in science education.

0101	Mike Stieff	Seats (Total: 10)
	M 4:30pm - 7:15pm	EDU 2212A

EDCI671 **Teaching Science in Elementary Schools**

EDCI671 *(PermReq)* **Teaching Science in Elementary Schools; (3 credits)** Grade Method: REG/AUD.
Identification of problems in teaching science. Methods for improving the effectiveness of science education.

IHP1	Janet Coffey **Meets September 8, 2008 - December 18, 2008** M 9:00am - 12:00pm *MCERT Outreach Course Offering, Judy Hoyer Center, Departmental Permission required.*	Seats (Total: 25) Location: TBA

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 467 or equivalent; or permission of instructor. Application of theory and research on composition instruction to review assessment and diagnostic procedures useful to writing teachers. Development of curricular materials for implementing appropriate individual, small group, and large-group instruction.

SPG1	Linda Coleman, Wayne Slater **Meets September 2, 2008 - December 20, 2008** Tu 5:00pm - 8:00pm *This course will be offered at the Shady Grove campus for Montgomery Co nty Teachers in the Literacy Coaching program.*	Seats (Total: 20) SGII 3022
SPG2	Linda Coleman, Wayne Slater **Meets September 2, 2008 - December 20, 2008** M 5:00pm - 8:00pm *This course will be offered at the Hoyer Center for Prince Georges Coun School teachers in the Literacy Coaching Program.*	Seats (Total: 20) Location: TBA

EDCI682 **Proseminar in Professional Development**

EDCI682 Proseminar in Professional Development; (3 credits) Grade Method: REG/AUD.
Introduction to professional development for human service profession. Survey of professional and research literature; analysis of allied fields.

0101	Saroja Barnes M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0306

EDCI685 **Research Methods**

EDCI685 Research Methods; (3 credits) Grade Method: REG/AUD.
The interpretation and conduct of research in curriculum and instruction.

0101	Olivia Saracho	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	EDU 2119

EDCI688A **Special Topics in Curriculum and Instruction; Advanced K-12 Foreign Language Methods and Technology**

EDCI688A *(PermReq)* **Special Topics in Curriculum and Instruction: Advanced K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/AUD.

IHP1	Perla Blejer	Seats (Total: 11)
	M 5:00pm - 7:45pm	Location: TBA
	MCERT Outreach course offering, MLK Jr Middle School (PGCPS). Departmental permission required.	

EDCI688D **Special Topics in Curriculum and Instruction; ART METHODS II**

EDCI688D *(PermReq)* **Special Topics in Curriculum and Instruction: ART METHODS II; (3 credits)** Grade Method: REG/AUD.

IHP2	Susan Hendricks	Seats (Total: 10)
	Tu 9:00am - 12:00pm	Location: TBA
	MCERT Outreach Course Offering, Departmental Permission required.	

EDCI688E **Special Topics in Curriculum and Instruction; Proseminar and Internship**

EDCI688E *(PermReq)* **Special Topics in Curriculum and Instruction: Proseminar and Internship; (1-3 credits)** Grade Method: REG.

IHP1	Dianne Bradley **Meets August 21, 2008 - December 11, 2008** Th 1:30pm - 3:30pm *This course meets Thursday 8/ 21/08 8:30am-3:30pm and all other Thursda (except 11/27) 1:30pm-3:30pm. CITE Program - Outreach Offering. Shady Grove Campus. Departmental Appro val Required.*	Seats (Total: 18) SG3 4226

EDCI688F **Special Topics in Curriculum and Instruction; Learning and Teaching in the Physical Sciences Contact department for information to register for this course.**

EDCI689 **Teaching Internship**

EDCI689 *(PermReq)* **Teaching Internship; (1-5 credits)** Grade Method: REG/AUD.

CE01	Karen Rehder **Meets September 8, 2008 - December 18, 2008** Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 25)
CE02	Colleen Gallagher Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 6)
CE03	Susan Hendricks Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 10)
CE04	Peggy Wilson Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 10)
CE05	Peggy Wilson Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 9)
CE06	Susan DePlatchett Contact instructor or department for details. *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 10)

CE07	Stacy Pritchett	Seats (Total: 13)
	Contact instructor or department for details.	
	MCERT Outreach Course Offering, Departmental Permission Required.	
CE08	Lisa Katz	Seats (Total: 15)
	Contact instructor or department for details.	
	MCERT Outreach Course Offering, Departmental Permission Required.	
CE09	Perla Blejer	Seats (Total: 15)
	Contact instructor or department for details.	
	MCERT Outreach Course Offering, Departmental permission required.	

EDCI689C **Teaching Internship**

EDCI689C Teaching Internship; (1-6 credits) Grade Method: REG/AUD.

0101	Perla Blejer	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI691 **Models of Teaching: Theories and Applications**

EDCI691 Models of Teaching: Theories and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Theory and research on teaching as applied to models of instruction. Practice in developing an initial repertoire of teaching models and in providing thoughtful critique of teaching based on these models.

IHP1	Dianne Bradley	Seats (Total: 18)
	Meets August 28, 2008 - December 11, 2008	
	Th 3:45pm - 6:45pm	SG3 4226
	CITE Program - Outreach Offering. Shady Grove Campus. Departmental Appr val Required.	

EDCI697 **Embracing Diversity in Classroom Communities**

EDCI697 Embracing Diversity in Classroom Communities; (3 credits) Grade Method: REG/AUD.
03 semester hours. The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

0101	Maria Hyler Tu 5:00pm - 7:45pm	Seats (Total: 25) EDU 2234

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Joseph McCaleb Tu 4:30pm - 7:15pm	Seats (Total: 25) EDU 2212A
IHP1	Ann Schweighofer, Stephen Koziol **Meets October 1, 2008 - December 18, 2008** Sa 9:00am - 12:00pm *MCERT Outreach Course Offering, Departmental Permission Required.*	Seats (Total: 13) Location: TBA
IHP2	Kevin Meuwissen **Meets October 1, 2008 - December 18, 2008** Th 5:30pm - 7:30pm *MCERT Outreach Course Offering, Shady Grove Center, Departmental Permis ion required.*	Seats (Total: 16) SGII 3052
IHP3	Saroja Barnes **Meets October 1, 2008 - December 18, 2008** W 7:45pm - 9:15pm *MCERT Outreach Course Offering, John F. Kennedy High School, Department l Permission Required.*	Seats (Total: 22) Location: TBA

IHP4	Jean Snell **Meets October 1, 2008 - December 18, 2008** Th 5:30pm - 7:00pm *MCERT Outreach Course Offering, Blair High School, Departmental Permiss on Required.*	Seats (Total: 12) Location: TBA
IHP5	Kathleen Travers W 5:30pm - 7:30pm *MCERT Outreach Course Offering, Shady Grove Center, Departmental Permis ion Required.*	Seats (Total: 15) SGII 3062

EDCI732 **Second Language Acquisition**

EDCI732 *(PermReq)* **Second Language Acquisition; (3 credits)** Grade Method: REG/AUD.
Prerequisites: permission of department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

0102	Melinda Martin-Beltran Tu 10:00am - 1:00pm	Seats (Total: 14) KEY 0107
IHP1	Melinda Martin-Beltran **Meets September 2, 2008 - December 12, 2008** Th 5:00pm - 7:45pm *MCERT Outreach Course Offering, Hoyer Center, Departmental Approval Req ired.*	Seats (Total: 25) Location: TBA

EDCI753 **Foundations of Mathematics Education III: Curriculum**

EDCI753 Foundations of Mathematics Education III: Curriculum; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admitted to Mathematics Education Doctoral Program or permission of department. The study of curriculum in mathematics and research on curriculum. The relationship of mathematics and school mathematics; the forms, purposes,development, and evaluation of mathematics curricula.

0101	Daniel Chazan M 4:30pm - 7:15pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Andrew Brantlinger	Seats (Total: 12)
	Contact instructor or department for details.	

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.

Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

IHP1	Ebony Shockley	Seats (Total: 20)
	Meets September 8, 2008 - December 18, 2008	
	M 5:30pm - 8:30pm	Location: TBA
	MCERT Outreach Course Offering, Northwestern High School, Departmental ermission Required.	
IHP2	Malayna Bernstein	Seats (Total: 18)
	Meets September 8, 2008 - December 18, 2008	
	Th 5:30pm - 8:30pm	Location: TBA
	MCERT Outreach Course Offering, Montgomery Blair High School (MCPS), De artmental permission required.	

EDCI765 **Prcesses and Acquisition of Reading**

EDCI765 *(PermReq)* **Prcesses and Acquisition of Reading; (3 credits)** Grade Method: REG/AUD.
For Masters Certification Students only. Provide elementary education certification candidates with an understanding of reading acquisition and its underlying processes. Topics include language development in relation to reading development; the biological basis of this development; concepts in emergent literacy; models of reading acquisition and skilled reading; the effects of phonemic awareness in phonics on developing readers; factors in early childhood environments and in beginning literacy instruction that impact language and literacy achievement.

IHP1	LeAnn Johnson	Seats (Total: 18)
	Meets August 26, 2008 - December 9, 2008	
	Tu 4:00pm - 7:00pm	SG3 4226
	Tuesdays dates/times TBA. CITE Program - Outreach Offering. Shady Grove Campus. Departmental Appro val	

EDCI769 **Theory and Research in Reading**

EDCI769 *(PermReq)* **Theory and Research in Reading; (3 credits)** Grade Method: REG/AUD.

0101	Peter Afflerbach	Seats (Total: 20)
	W 5:00pm - 7:45pm	EDU 2234

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Sherick Hughes	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2212

EDCI780 **Theory and Research on Teaching**

EDCI780 Theory and Research on Teaching; (3 credits) Grade Method: REG/AUD. Analysis of the interactive process of instruction; preschool through higher education in school and non-school settings; future directions and needed research.

0101	Maria Hyler, John O'Flahavan Th 4:30pm - 7:15pm	Seats (Total: 25) EDU 2212
0201	Maria Hyler Th 4:30pm - 7:15pm	Seats (Total: 15) EDU 2212A

EDCI784 **Teaching, Professional Development and School Change**

EDCI784 Teaching, Professional Development and School Change; (3 credits) Grade Method: REG/AUD.
Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

0101	Saroja Barnes M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0306

EDCI786 **Black and Latino Education: History and Policy**

EDCI786 Black and Latino Education: History and Policy; (3 credits) Grade Method: REG/AUD.
Recommended: EDSP611 and EDCI776. Examination of the historical legacies and contemporary policies that have contributed to the educational status (K-20) of Blacks and Latinos in the United States from the 19th century to the present. Issues surrounding language, immigration, racism, social class, and state and federal policies will also be analyzed.

0101	Victoria MacDonald W 4:30pm - 7:15pm	Seats (Total: 20) EDU 2119

EDCI788 **Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788A **Selected Topics in Teacher Education; Organization Theory and Human Behavior**

EDCI788A *(PermReq)* **Selected Topics in Teacher Education: Organization Theory and Human Behavior; (3 credits)** Grade Method: REG.

IHP1	Willis Hawley	Seats (Total: 18)
	Meets September 3, 2008 - December 12, 2008	
	Class time/details on ELMs	ONLINE
	Outreach EDCI NEA Doctoral Program. Departmental Approval Required.	

EDCI788D **Selected Topics in Teacher Education; Seminar in Minorities and Urban Education**

EDCI788D Selected Topics in Teacher Education: Seminar in Minorities and Urban Education; (1 credit) Grade Method: REG.

0101	Jacqueline Irvine	Seats (Total: 15)
	Tu 3:00pm - 4:00pm	EDU 2234

EDCI788E **Selected Topics in Teacher Education; Research Seminar in Minority and Urban Education**

EDCI788E Selected Topics in Teacher Education: Research Seminar in Minority and Urban Education; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788G **Selected Topics in Teacher Education; Proseminar and Internship: Perspectives on Teaching**
Contact department for information to register for this course.

EDCI788I **Selected Topics in Teacher Education; Supervising and Mentoring Beginning Educators**

EDCI788I Selected Topics in Teacher Education: Supervising and Mentoring Beginning Educators; (1 credit) Grade Method: REG.

0101	Leslie Gettier, Susan DePlatchett	Seats (Total: 30)
	Contact instructor or department for details.	

EDCI788K **Selected Topics in Teacher Education; Research on Disciplinary Learning**

EDCI788K Selected Topics in Teacher Education: Research on Disciplinary Learning; (3 credits) Grade Method: REG/AUD.

0101	David Hammer	Seats (Total: 20)
	W 12:00pm - 3:00pm	EDU 2212

EDCI788L **Selected Topics in Teacher Education; Learning Styles, Strategies, and Technologies**

EDCI788L Selected Topics in Teacher Education: Learning Styles, Strategies, and Technologies; (3 credits) Grade Method: REG.

0101	Rebecca Oxford	Seats (Total: 20)
	F 4:15pm - 7:00pm	PLS 1129

EDCI788O **Selected Topics in Teacher Education; Apprenticeship in Education**
Contact department for information to register for this course.

EDCI788U **Selected Topics in Teacher Education; Social Studies**

EDCI788U *(PermReq)* **Selected Topics in Teacher Education: Social Studies; (1-3 credits)** Grade Method: REG/AUD.

IHP2	Chauncey Monte-Sano	Seats (Total: 15)
	Tu 5:30pm - 8:30pm	Location: TBA
	MCERT Outreach Course Offering, Judy Hoyer Center, Departmental Permission required.	

EDCI788V **Selected Topics in Teacher Education; Secondary Science**

EDCI788V *(PermReq)* **Selected Topics in Teacher Education: Secondary Science; (3 credits)** Grade Method: REG/AUD.

IHP1	Daniel Levin	Seats (Total: 13)
	M 5:30pm - 8:30pm	Location: TBA
	MCERT Outreach Course Offering, Blair High School (MCPS), Departmental ermission required.	

EDCI788W **Selected Topics in Teacher Education; Latino Bilingualism and Biculturalism**
Contact department for information to register for this course.

EDCI788Y **Selected Topics in Teacher Education; Secondary Social Studies Pedagogy**

Contact department for information to register for this course.

EDCI791 **Qualitative Research I: Design and Fieldwork**

EDCI791 Qualitative Research I: Design and Fieldwork; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDCI790. Formerly EDCI684. Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Bruce VanSledright, Connie North	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1210B

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG.

0101	Ann Edwards	Seats (Total: 10)
	F 11:00am - 1:00pm	EDU 2121
	Contact instructor or department for details.	

EDCI882 **The Pedagogy of Teacher Education**

EDCI882 The Pedagogy of Teacher Education; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: EDCI788M or EDCI882. Formerly EDCI788M.* Provides an overview of the ways that formal teacher education programs help prospective teachers develop knowledge and understanding of subject matter, learners, curriculum, and the purposes of schooling. Focuses specifically on the various pedagogies used in evaluating their efficacy.

0101	Stephen Koziol, David Imig W 7:00pm - 9:45pm	Seats (Total: 20) EDU 2101

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI888A **Apprenticeship in Education; Application Seminar: Narrowing the Achievement Gap**
Contact department for information to register for this course.

EDCI888C **Apprenticeship in Education; Applications Seminar**

EDCI888C *(PermReq)* **Apprenticeship in Education: Applications Seminar; (2 credits)** Grade Method: REG.

IHP1	David Imig, Jean Snell **Meets September 11, 2008 - December 12, 2008** Contact instructor or department for details. *Outreach EDCI NEA Doctoral Program. Departmental Approval Required*	Seats (Total: 18)

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898A **Pre-Candidacy Research; Laboratory**

EDCI898A *(PermReq)* **Pre-Candidacy Research: Laboratory; (2 credits)** Grade Method: REG.

IHP1	Edward Crowe	Seats (Total: 18)
	Meets September 4, 2008 - December 12, 2008	
	Contact instructor or department for details.	
	Outreach EDCI NEA Doctoral Program. Departmental Approval Required.	

EDCI898B **Pre-Candidacy Research; Laboratory**

EDCI898B *(PermReq)* **Pre-Candidacy Research: Laboratory; (2 credits)** Grade Method: REG.

IHP2	Edward Crowe	Seats (Total: 18)
	Meets September 4, 2008 - December 12, 2008	
	Contact instructor or department for details.	
	Outreach EDCI NEA Doctoral Program. Departmental Approval Required.	

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Fall 2008

EDCP108B **College and Career Advancement: Concepts and Skills; Reading and Study Skills**

All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors.

EDCP108B College and Career Advancement: Concepts and Skills: Reading and Study Skills; (1 credit) Grade Method: REG/P-F/AUD.

Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only if seats are available.

0201	Shirley Browner **Meets October 20, 2008 - December 7, 2008** MW 1:00pm - 1:50pm	Seats (Total: 40) EDU 1107
0501	Beverly Greenfeig **Meets September 2, 2008 - October 31, 2008** Th 12:30pm - 1:50pm	Seats (Total: 40) SQH 1121

EDCP108C **College and Career Advancement: Concepts and Skills; Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Choosing a Major; (1 credit) Grade Method: REG.

Recommended for freshman and sophomores needing to choose or clarify an academic major; juniors/seniors by permission of instructor.

0101	Linda Gast **Meets September 8, 2008 - November 14, 2008** Tu 10:00am - 11:50am	Seats (Total: 25) LEF 1201
0201	Linda Gast **Meets September 9, 2008 - November 14, 2008** Tu 1:00pm - 2:50pm	Seats (Total: 25) HBK 0115
0301	Christa Schmidt **Meets September 8, 2008 - November 14, 2008** W 2:00pm - 3:50pm	Seats (Total: 25) HBK 0105

EDCP108G **College and Career Advancement: Concepts and Skills; The Transfer Student in the University**

EDCP108G College and Career Advancement: Concepts and Skills: The Transfer Student in the University; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg **Meets September 8, 2008 - November 28, 2008** M 11:00am - 12:30pm	Seats (Total: 25) EDU 2102

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit) Grade Method: REG/P-F/AUD.
Recommended for freshmen, sophomores, and juniors. Designed for students who are seeking to learn more about strategies for finding an internship experience.

0101	Julia Younkins Tu 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0201	Katelyn Glasser W 10:00am - 10:50am	Seats (Total: 20) HBK 3134
0301	Michael McDonald W 2:00pm - 2:50pm *Section restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) COL 3114

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/P-F/AUD.
Recommended for juniors and seniors. Designed for students who are seeking to learn more about strategies for landing full time employment and succeeding at work.

0101	Caitlin Haugen M 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0201	Sherry Waldrep W 12:00pm - 12:50pm	Seats (Total: 20) HBK 3134

0301	Sherry Waldrep Th 11:00am - 11:50am	Seats (Total: 20) HBK 3134
0401	Danielle Stahl, Caitlin Haugen M 10:00am - 10:50am	Seats (Total: 20) HBK 3134
0501	Letitia Williams Tu 11:00am - 11:50am	Seats (Total: 20) HBK 3134
0601	Linda LeNoir, Emily Kasper W 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0701	Stacey Brown, Linda LeNoir M 2:00pm - 2:50pm *Section restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) HBK 0125

EDCP108K **College and Career Advancement: Concepts and Skills; Reading at the College Level**

EDCP108K *(PermReq)* **College and Career Advancement: Concepts and Skills: Reading at the College Level; (1 credit)** Grade Method: REG/P-F/AUD. Permission of instructor.

0201	Dahlia Levin M 8:00am - 8:50am *Recommended for student athletes only. This course will meet in Gossett Football Team House.*	Seats (Total: 20) Location: TBA
0301	Thomas Lawton Tu 11:00am - 11:50am	Seats (Total: 24) PLS 1172
0401	Sachi Edwards Tu 11:00am - 11:50am *This section is recommended for student athletes only. The class will meet in ASCDU in Comcast Center.*	Seats (Total: 15) Location: TBA

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only is seats are available. Questions concerning the course can be directed to the instructor, Janet Thiel, at (301)314-7693.Once registered, please check your email about information about the first class meeting.

0101	Janet Thiel **Meets September 2, 2008 - October 17, 2008** Contact instructor or department for details.	Seats (Total: 25)
0201	Janet Thiel **Meets October 20, 2008 - December 7, 2008** Contact instructor or department for details.	Seats (Total: 25)
0301	Janet Thiel **Meets September 8, 2008 - October 27, 2008** M 3:00pm - 4:30pm *Restricted to ACE Program Students only.*	Seats (Total: 25) EDU 3236
0401	Janet Thiel **Meets October 8, 2008 - December 10, 2008** W 3:00pm - 4:30pm *Restricted to ACE Program Students only.*	Seats (Total: 25) ASY 3219

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0101	Dottie Chicquelo M 2:00pm - 3:00pm	Seats (Total: 25) HBK 0109
0401	Solomon Comissiong, Ronald Zeigler M 10:00am - 11:00am	Seats (Total: 25) NCC 0120

0501	Jason Rivera W 1:00pm - 2:00pm	Seats (Total: 25) HBK 1116

EDCP108R **College and Career Advancement: Concepts and Skills; Returning Students**

EDCP 1080 is being offered as UNIV 100. Refer to UNIV course listing.
EDCP108R College and Career Advancement: Concepts and Skills: Returning Students; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg Th 12:30pm - 1:50pm	Seats (Total: 15) HBK 0125

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.

0101	Stella Okeke, Tiffany Gaines TuTh 12:30pm - 1:45pm	Seats (Total: 25) EDU 1107
0201	Cory Hibbetts, Jeanni Simpson TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1114
0301	Jaromir Sedlar, Elizabeth Niehaus MW 11:00am - 12:15pm	Seats (Total: 25) COL 3111

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Samantha Sweeney TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 0283

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG.
The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Alisa Ades TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1146
0201	Emily Gustafson MW 2:00pm - 3:15pm	Seats (Total: 25) PLS 1113

EDCP312 **Multi-Ethnic Peer Counseling**

EDCP312 Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. Sophomore standing. Formerly EDCP310A.
Knowledge, skills, and attitude to function as peer helpers of Multi- Ethnic students.

0101	Nicole Bryan W 2:00pm - 4:45pm	Seats (Total: 25) PLS 1117
0201	L Gomez W 2:00pm - 4:45pm	Seats (Total: 25) HBK 0109

0301	Christopher Lester, Michael Andrews W 2:00pm - 4:45pm	Seats (Total: 25) COL 3110

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

0101	Daniel Ostick TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1114
0201	Craig Slack, Megan Miller MW 12:30pm - 1:45pm	Seats (Total: 25) COL 0102
0301	Daniel Ostick MW 2:00pm - 3:15pm	Seats (Total: 25) COL 0102
SG91	Glacia Ethridge TuTh 9:30am - 10:45am *Registration is restricted to CCJS students enrolled in the Shady Grove BA program.*	Seats (Total: 50) SG3 2230

EDCP318I **Applied Contextual Leadership; Global Leadership**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Global Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor.

0101	Daniel Ostick Tu 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 25) BPS 1232

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: LEADERSHIP AND SPORTS; (3 credits) Grade Method: REG/P-F/AUD.

0101	Terry Zacker TuTh 12:30pm - 1:45pm	Seats (Total: 25) COL 3111

EDCP318T **Applied Contextual Leadership; Values-Based Leadership**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Values-Based Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

0101	Michael Hayes MW 3:30pm - 4:45pm	Seats (Total: 20) Location: TBA

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

EDCP420 Advanced Topics in Human Diversity and Advocacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: permission of department. This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues. This course fulfills CORE requirements in diversity.

0101	Joseph Miles TuTh 9:00am - 10:15am	Seats (Total: 25) EDU 3236

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499B **Workshops, Clinics, Institutes; Instructional Consultation Summer Institute**

EDCP499B Workshops, Clinics, Institutes: Instructional Consultation Summer Institute; (3 credits) Grade Method: REG/P-F/AUD.

9101	Todd Gravois	Seats (Total: 0)
	Contact instructor or department for details.	

EDCP499L **Workshops, Clinics, Institutes; Preparation to Lead Relationship Skills Workshops**

EDCP499L *(PermReq)* **Workshops, Clinics, Institutes: Preparation to Lead Relationship Skills Workshops; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Patricia Mielke	Seats (Total: 25)
	Contact instructor or department for details.	

EDCP610 **Professional Orientation**

EDCP610 Professional Orientation; (3 credits) Grade Method: REG/AUD. Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.

0101	Ellen Fabian	Seats (Total: 12)
	Th 4:15pm - 7:00pm	EDU 3233
	Limited to rehabilitation counseling students.	
0201	Vivian Lee	Seats (Total: 30)
	M 7:00pm - 9:45pm	EDU 3236
	Limited to school counseling students.	
0301	Susan Komives	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 0206
	Limited to college student personnel students.	

EDCP616 **Counseling II: Theory and Practice**

EDCP616 Counseling II: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP 618. Counseling theories and the practices which stem from such theories.

0101	Mary Ann Hoffman Tu 4:15pm - 7:00pm *Limited to students in the masters program.*	Seats (Total: 40) EDU 0212

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.
Corequisite: EDCP 616.

0101	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0114
0201	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0206
0301	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0212
0401	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 3236
0501	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 2102

EDCP619B **Practicum in Counseling; CSP Counseling Practicum**

EDCP619B Practicum in Counseling: CSP Counseling Practicum; (3 credits) Grade Method: REG.

0101	Noah Collins M 3:00pm - 6:00pm	Seats (Total: 4) HBK 0125

0201	Jonathan Kandell Th 1:00pm - 4:00pm	Seats (Total: 4) SHM 1103

EDCP630 **School-Based Behavioral Interventions**

EDCP630 School-Based Behavioral Interventions; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. For College of Education majors only. Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

0101	Elise Pas W 5:00pm - 7:45pm	Seats (Total: 10) EDU 2102

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Sylvia Rosenfield W 4:15pm - 7:00pm	Seats (Total: 10) EDU 3236

EDCP640 **School Psychology Seminar: Overview of the Specialty**

EDCP640 School Psychology Seminar: Overview of the Specialty; (1-2 credits) Grade Method: REG/AUD.
Limited to school psychology students or permission of instructor. Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	Sylvia Rosenfield Th 4:15pm - 7:00pm	Seats (Total: 10) EDU 1121

EDCP641 **School Psychology Seminar: Professional Ethics**

EDCP641 School Psychology Seminar: Professional Ethics; (1-2 credits) Grade Method: REG/AUD.
Limited to school psychology students or permission of instructor. Overviews ethical issues in the specialty of school psychology.

0101	William Strein Tu 2:30pm - 4:00pm	Seats (Total: 10) EDU 1121

EDCP651 **Group Counseling in Schools**

EDCP651 Group Counseling in Schools; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 616. For school counseling and school psychology students only or permission of instructor. Issues and techniques of group counseling in schools.

0101	Courtland Lee Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1210B

EDCP656 **Counseling and Personnel Services Seminar**

EDCP656 Counseling and Personnel Services Seminar; (2 credits) Grade Method: REG/AUD.
Examination of issues that bear on professional issues such as ethics, interprofessional relationships and research. For EDCP majors only.

0101	Susan Komives Tu 1:15pm - 3:45pm	Seats (Total: 8) EDU 3233
0201	Julia Bryan Th 4:00pm - 7:00pm	Seats (Total: 10) EDU 2101

EDCP663 **Rehabilitation and Treatment of Mental and Emotional Disorders**

EDCP663 *(PermReq)* **Rehabilitation and Treatment of Mental and Emotional Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP 610 or permission of department. Purpose and principles of rehabilitation and treatment methods of adolescents and adults with significant mental health disorders and dual diagnoses. Focus is on the individual as well as the family. The course includes information regarding etiology, assessment, treatment interventions, program planning, and program evaluation.

0101	Paul Gold M 4:15pm - 7:00pm	Seats (Total: 25) EDU 3233

EDCP665 **Family and Social Support Systems**

EDCP665 Family and Social Support Systems; (3 credits) Grade Method: REG/AUD.
Recommended: EDCP 610. Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

0101	Cheryl Holcomb-Mccoy W 4:15pm - 7:00pm	Seats (Total: 10) EDU 3233

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

EDCP682 Counseling Psychology Didactic Practicum in Group Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 682. Formerly EDCP718. In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Dennis Kivlighan W 9:00am - 12:00pm	Seats (Total: 10) EDU 2102

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 685. Formerly EDCP745. In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Robert Lent Tu 12:30pm - 3:30pm	Seats (Total: 10) EDU 2101

EDCP692 **Assessment in Counseling Psychology I**

EDCP692 Assessment in Counseling Psychology I; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 692. Formerly EDCP789F. Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process.

0101	Matthew Miller M 1:00pm - 4:00pm	Seats (Total: 20) ASY 3219

EDCP716 **Advanced Counseling Theory Seminar**

EDCP716 Advanced Counseling Theory Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: Master's degree in counseling or permission of department. Systematic investigation of methods of theory analysis and their application to counseling theory.

0101	Courtland Lee Th 1:00pm - 4:00pm	Seats (Total: 15) EDU 3236

EDCP735 **Seminar in Rehabilitation Counseling**

EDCP735 Seminar in Rehabilitation Counseling; (3 credits) Grade Method: REG. Part of the core curriculum for rehabilitation counselors. Designed to provide the advanced rehabilitation counseling student with a formal seminar to discuss, evaluate and attempt to reach personal resolution regarding pertinent professional problems and issues in the field.

0101	Cheryl Holcomb-Mccoy Tu 1:15pm - 4:00pm *Limited to School Counseling Doctoral Students only.*	Seats (Total: 15) EDU 0114
0201	Ellen Fabian Tu 1:15pm - 4:00pm *Limited to Rehabilitation Counseling Doctoral Students only.*	Seats (Total: 15) EDU 1210B

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi Th 9:00am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP740 **Issues and Methods in Counselor Education**

EDCP740 Issues and Methods in Counselor Education; (3 credits) Grade Method: REG/AUD.
Doctoral standing. Competencies, current issues, and methods in the pre-service and continuing education of counselors.

0101	Cheryl Holcomb-Mccoy W 1:15pm - 4:00pm	Seats (Total: 10) EDU 3236

EDCP745 **Supervision of Counseling**

EDCP745 Supervision of Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Open to doctoral students only. For EDCP majors only. Survey of knowledge base, research approaches, and applied skills in supervision of counseling.

0101	Paul Gold W 4:15pm - 7:00pm	Seats (Total: 10) ASY 3217

EDCP772 **Research in College Student Personnel**

EDCP772 Research in College Student Personnel; (3 credits) Grade Method: REG.
Prerequisite: EDCP 656 or permission of instructor. Limited to college student personnel students only. Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Rhondie Voorhees, Matthew Soldner Th 4:15pm - 7:00pm	Seats (Total: 26) EDU 0206

EDCP774 **Advanced Seminar in Theories of College Student Development**

EDCP774 Advanced Seminar in Theories of College Student Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771 or equivalent. An opportunity for in-depth study, dialogue, and reflection about theoretical frameworks for understanding the development of college students. Specific attention is given to enhancing knowledge and understanding of the development of students when social identities and their intersections are considered.

0101	Susan Jones	Seats (Total: 15)
	Tu 4:15pm - 7:00pm	EDU 3233

EDCP775 **Facilitating Student Learning in Higher Education**

EDCP775 *(PermReq)* **Facilitating Student Learning in Higher Education; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP771 or permission of department. Doctoral standing. Application of selected models of college student development, learning styles, and related models of instruction to the assessment of characteristics and the design of learning environments.

0201	Marcia Marinelli	Seats (Total: 20)
	Th 4:00pm - 7:00pm	PLS 1158
	Open to LEAD students only. Departmental permission required.	

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Courtland Lee	Seats (Total: 11)
	M 1:00pm - 4:00pm	EDU 0206

EDCP789A **Advanced Topics in Counseling and Personnel Services; Fellowship Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: Fellowship Seminar; (1-6 credits) Grade Method: REG/AUD.
Limited to CAPS Doctoral students only.

0101	Gary Gottfredson	Seats (Total: 20)
	F 12:00pm - 1:30pm	EDU 3236

EDCP789C **Advanced Topics in Counseling and Personnel Services; Foundations of Assessment for Research and Practice**

EDCP789C Advanced Topics in Counseling and Personnel Services: Foundations of Assessment for Research and Practice; (3 credits) Grade Method: REG/AUD.
Limited to CAPS Doctoral students only.

0101	Gary Gottfredson	Seats (Total: 20)
	W 1:15pm - 4:00pm	EDU 0202

EDCP789G **Advanced Topics in Counseling and Personnel Services; Race/Ethnicity, Class and Gender in Higher Education**

EDCP789G Advanced Topics in Counseling and Personnel Services: Race/Ethnicity, Class and Gender in Higher Education; (3 credits) Grade Method: REG/AUD.

0101	Stephen Quaye	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 0202

EDCP789I **Advanced Topics in Counseling and Personnel Services; Capstone Seminar**

EDCP789I Advanced Topics in Counseling and Personnel Services: Capstone Seminar; (3 credits) Grade Method: REG.

0101	Linda Clement, Jim Osteen	Seats (Total: 8)
	W 4:15pm - 7:00pm	MIT 2108

EDCP789L **Advanced Topics in Counseling and Personnel Services; College Student Personnel Second Year Doctoral Seminar**

EDCP789L Advanced Topics in Counseling and Personnel Services: College Student Personnel Second Year Doctoral Seminar; (1 credit) Grade Method: REG/AUD.
Limited to College Student Personnel Doctoral Students.

0101	Gretchen Metzelaars	Seats (Total: 10)
	Tu 2:00pm - 4:00pm	WDS 1131

EDCP789Q **Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

EDCP789Q Advanced Topics in Counseling and Personnel Services: Developmental Psychopathology; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi	Seats (Total: 10)
	W 9:30am - 12:15pm	EDU 3236

EDCP789Z **Advanced Topics in Counseling and Personnel Services; Multicultural Practice in Student Affairs**

EDCP789Z *(PermReq)* **Advanced Topics in Counseling and Personnel Services: Multicultural Practice in Student Affairs; (2 credits)** Grade Method: REG/AUD. Limited to CSP students. Prerequisite EDCP771 and permission of dept.

0101	Susan Jones	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 3233

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel Administration Apprenticeship**

EDCP888A *(PermReq)* **Apprenticeship in Counseling and Personnel Services: College Student Personnel Administration Apprenticeship; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	John Zacker Tu 1:30pm - 4:00pm	Seats (Total: 10) Location: TBA

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0301	Sylvia Rosenfield Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)

EDCP888G **Apprenticeship in Counseling and Personnel Services**

EDCP888G Apprenticeship in Counseling and Personnel Services; (1-6 credits) Grade Method: REG/AUD.
Restricted to School Counseling Students only.

0201	Courtland Lee Contact instructor or department for details.	Seats (Total: 10)

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (3 credits)** Grade Method: REG/AUD.
For second year Rehabilitation Counseling students only.

0101	Kim MacDonald-Wilson Th 7:00pm - 9:45pm	Seats (Total: 10) EDU 3233

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2008

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education. Intended primarily for students planning to apply to the Early Childhood Education program.

0101	Natasha Cabrera M 1:00pm - 4:00pm	Seats (Total: 30) EDU 1315

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Intended primarily for students planning to apply to the Early Childhood Education Program.

0101	Jeanne Galbraith Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0102	Jeanne Galbraith Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0103	Jeanne Galbraith Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0104	Jeanne Galbraith Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0105	Jeanne Galbraith Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 Literature in the Early Childhood Classroom; (3 credits) Grade Method: REG.
For early childhood education majors only. Credit will be granted for only one of the following: EDCI443A or EDHD222. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Maria Salvadore Th 2:00pm - 5:00pm	Seats (Total: 23) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Alexis Williams TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1107
0201	Elisa Klein TuTh 2:00pm - 3:15pm	Seats (Total: 35) EDU 0306

EDHD230S **Human Development and Societal Institutions**

EDHD230S Human Development and Societal Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Restricted to College Park Scholars - Advocates for Children.

0101	Alexis Williams TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1815
0201	Bridget Fredstrom TuTh 9:30am - 10:45am	Seats (Total: 35) EDU 3315
0301	Christy Tirrell-Corbin TuTh 11:00am - 12:15pm	Seats (Total: 26) EDU 0206

EDHD285 **Designing Multimedia Computer Environments for Learners**

EDHD285 Designing Multimedia Computer Environments for Learners; (3 credits) Grade Method: REG.
For early childhood majors only. Freshman standing. A focus on the application of new computer technologies for learners in an educational setting. Topics to be explored: understanding the learner as a technology user, defining learning outcomes to be supported by technology, differing approaches to the technology design process and methods of technology integration in the classroom.

0101	Bonnie Mackintosh W 1:00pm - 4:00pm	Seats (Total: 25) EDU 0304

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Cameron Richardson MW 12:30pm - 1:45pm	Seats (Total: 34) EDU 0306
0301	Cameron Richardson MW 9:30am - 10:45am	Seats (Total: 40) EDU 0212

EDHD315 **Reading in Early Childhood Classroom: Instruction and Materials Part II**

EDHD315 *(PermReq)* **Reading in Early Childhood Classroom: Instruction and Materials Part II; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314. For early childhood majors only. This course builds on the theories and teaching strategies of EDHD314. Students will focus on teaching of reading and writing to primary grade students.

0101	Lea Christenson W 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 0212

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Sandra Baker TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 3315
0201	Bridget Fredstrom TuTh 12:30pm - 1:45pm	Seats (Total: 45) EDU 3315
0301	Alaina Brenick TuTh 11:00am - 12:15pm	Seats (Total: 45) PLS 1130
0401	Khalisa Herman TuTh 2:00pm - 3:15pm	Seats (Total: 40) COL 0100
0501	Shannon Russell MW 11:00am - 12:15pm	Seats (Total: 40) BPS 1238
0601	Meghan Parkinson MW 2:00pm - 3:15pm	Seats (Total: 45) COL 3111
0701	Karen Watkins-Lewis M 4:15pm - 7:00pm	Seats (Total: 40) HBK 0109
0801	Theresa Hoffmann MW 11:00am - 12:15pm	Seats (Total: 40) JMP null

0901	Elizabeth Robertson-Tchabo TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 0212
1001	Wei Gao MW 9:30am - 10:45am	Seats (Total: 40) TYD 1132
1101	Nicole Denmark MW 9:30am - 10:45am	Seats (Total: 40) ASY 3207

EDHD321 **The Young Child as Scientist**

EDHD321 *(PermReq)* **The Young Child as Scientist; (2 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD322, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Provides theoretical and practical knowledge for teaching science in early childhood classrooms. Appropriate teaching strategies and materials of instruction are presented for diverse settings. Includes field experience.

0101	Anne Horne M 8:30am - 10:00am Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD322 **The Young Child as Mathematician**

EDHD322 *(PermReq)* **The Young Child as Mathematician; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Engages early childhood education majors in mathematics as a creative process and dynamic way of thinking. Throughout this process students will acquire the pedagogical knowledge important to teaching mathematics in grades pre-K through 3. Includes field experience.

0101	Bonnie Mackintosh W 8:30am - 10:30am Contact instructor or department for details.	Seats (Total: 36) EDU 2121

EDHD323 **Children Study Their World**

EDHD323 *(PermReq)* **Children Study Their World; (2 credits)** Grade Method: REG. *Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing.* Provides a theoretical framework for pre-service teachers to understand and implement a developmentally appropriate social studies curriculum. The focus will be on methods of implementing theories of child development and curriculum, which foster higher level thinking skills in young children. Includes field experience.

0101	Elisa Klein W 10:40am - 12:10pm Contact instructor or department for details.	Seats (Total: 36) EDU 1121

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo M 1:00pm - 3:45pm	Seats (Total: 45) CSS 2428
0201	Elizabeth Robertson-Tchabo Th 1:00pm - 3:45pm	Seats (Total: 30) EDU 0114

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0201	Megan Hurley W 9:30am - 12:15pm	Seats (Total: 28) EDU 3233
0301	Susan Savage-Stevens Th 1:00pm - 3:45pm	Seats (Total: 30) EDU 0212
	This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0401	Geetha Ramani MW 11:00am - 12:15pm	Seats (Total: 40) BPS 0283
	This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG. Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0201-0301 are for the secondary education majors only.

0101	Susan Savage-Stevens Tu 1:00pm - 3:45pm	Seats (Total: 35) ARC 1101
0201	Jo-Ann Amadeo MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114
	This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0301	Ann Battle MW 11:00am - 12:15pm	Seats (Total: 25) EDU 0306
	This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

0401	Jennie Lee-Kim MW 9:30am - 10:45am	Seats (Total: 30) EDU 0306
	This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

EDHD419A **Human Development and Learning in School Settings; Infancy and Preschool**

EDHD419A *(PermReq)* **Human Development and Learning in School Settings: Infancy and Preschool; (3 credits)** Grade Method: REG/AUD.

0101	Brenda Jones Harden Tu 9:00am - 12:00pm	Seats (Total: 35) EDU 0306

EDHD420 **Cognitive Development and Learning**
Contact department for information to register for this course.

EDHD425 **Language Development and Reading Acquisition**

EDHD425 Language Development and Reading Acquisition; (3 credits) Grade Method: REG/AUD.

This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. For Education Majors only.

0401	Donald Bolger MW 11:00am - 12:15pm	Seats (Total: 26) EDU 0212
0501	Min Wang M 1:00pm - 4:00pm	Seats (Total: 40) EDU 1121
0601	Meghan Parkinson Th 9:00am - 12:00pm	Seats (Total: 0) EDU 0306
	This section is restricted to Early Childhood Education majors. Section 0601 is restricted to major code 0823L or 0823P.	

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.

0201	Christopher Ascienzo Tu 4:15pm - 7:00pm	Seats (Total: 33) EDU 3315
0501	Andrew Calandro W 4:15pm - 7:00pm	Seats (Total: 26) EDU 3315
0601	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDHD427 **Constructing and Integrating the Early Childhood Curriculum**

EDHD427 *(PermReq)* **Constructing and Integrating the Early Childhood Curriculum; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD313, EDHD314, EDSP470. Corequisites: EDHD323, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing. Explores the world from the child's perspective and constructs curriculum based on cognition, learning, and children's experiences. The integrated curriculum is the overarching framework for this course. Includes field experience.

0101	Brenda Jones Harden M 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus M 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDHD435 **Effective Components of the Early Childhood Classroom**

EDHD435 *(PermReq)* **Effective Components of the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Prerequisites: EDHD314, EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD315. For early childhood majors only. Senior standing. Explores three topics integral to effective, child-centered early childhood classrooms: assessment, classroom management and parent involvement. Includes field experience.

0101	Christy Tirrell-Corbin M 10:30am - 12:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC100 or permission of department. Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0301	Robert Marcus TuTh 11:00am - 12:15pm	Seats (Total: 40) COL 0102

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC100 or permission of department. Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD300 by students in professional teacher education programs.)

0201	Daniel Dinsmore TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 3315

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498D **Special Problems in Education; School Transitions and Socio-Emotional Development**

EDHD498D *(PermReq)* **Special Problems in Education: School Transitions and Socio-Emotional Development; (3 credits)** Grade Method: REG.
Prerequisite: permission of instructor.

0101	Kenneth Rubin	Seats (Total: 15)
	Contact instructor or department for details.	

EDHD600 **Introduction to Human Development and Child Study**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Kenneth Rubin	Seats (Total: 20)
	Meets September 3, 2008 - December 12, 2008	
	W 11:45am - 2:15pm	EDU 3315

EDHD690 **History and Systems in Human Development**

EDHD690 History and Systems in Human Development; (3 credits) Grade Method: REG.
History of the field of human development; philosophical basis of major theoretical paradigms.

0101	Natasha Cabrera	Seats (Total: 22)
	Tu 1:00pm - 3:45pm	EDU 0202

EDHD692 **Cognitive Basis of Instruction**

EDHD692 Cognitive Basis of Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Psychological and educational research literature on human cognition, especially as applied to learning and teaching in classroom settings.

0101	Patricia Alexander	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0114

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching: Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD720 **Social Development and Socialization Processes**

EDHD720 Social Development and Socialization Processes; (3 credits) Grade Method: REG.
Formerly EDHD820. This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course. This course can be used in place of EDHD 602.

0101	Melanie Killen	Seats (Total: 18)
	Th 1:00pm - 3:45pm	EDU 1210B

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits)
Grade Method: REG.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0114

EDHD760 **Advanced Educational Psychology**

EDHD760 Advanced Educational Psychology; (3 credits) Grade Method: REG.
Prerequisite: prior course in educational psychology, learning, or cognition, or permission of department. Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

0101	Patricia Alexander	Seats (Total: 16)
	Tu 4:15pm - 7:00pm	EDU 3304H

EDHD768 **Laboratory Methods in Developmental Psychophysiology**

EDHD768 Laboratory Methods in Developmental Psychophysiology; (3 credits)
Grade Method: REG/AUD.

0101	Nathan Fox	Seats (Total: 20)
	Contact instructor or department for details.	

EDHD775 **Psychophysiological Processes in Human Development I**

EDHD775 Psychophysiological Processes in Human Development I; (3 credits)
Grade Method: REG.
Prerequisite: EDHD 601 or permission of department. Formerly EDHD810. Course focuses on the biological bases of human behavior including physiological processes which have an impact on human development.

0101	Nathan Fox	Seats (Total: 17)
	M 1:00pm - 3:45pm	EDU 1108

EDHD779W **Special Topics in Human Development; Achievement Motivation**

Contact department for information to register for this course.

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Special Problems in Education**

EDHD798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD821 **Socialization Processes in Human Development II**

EDHD821 Socialization Processes in Human Development II; (3 credits) Grade Method: REG.
Prerequisite: EDHD720 or permission of department. Advanced doctoral seminar on socialization and social development with consideration of selected topics introduced in EDHD 720. Identification of research problems and areas of application.

0101	Judith Torney-Purta	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3304H

EDHD840 **Language and Literacy Development**

EDHD840 Language and Literacy Development; (3 credits) Grade Method: REG. Content of this course is current theoretical and empirical research on children's language developments and on the linguistic basis of beginning reading.

0101	Min Wang	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0206

EDHD878 **Team Research in Human Development**

EDHD878 Team Research in Human Development; (3 credits) Grade Method: REG.

0101	Judith Torney-Purta	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	EDU 1108

EDHD888 **Apprenticeship in Education**

EDHD888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Internship in Education**

EDHD889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Fall 2008

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People 1**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People 1; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA **Meets September 4, 2008 - October 23, 2008** Th 4:30pm - 6:30pm	Seats (Total: 20) JMZ 0208
0201	Dawn Sherman, Joseph Miles **Meets October 27, 2008 - December 8, 2008** M 3:30pm - 5:30pm	Seats (Total: 20) JMZ 1215

EDHI338B **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People 2**

EDHI338B *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People 2; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA **Meets October 30, 2008 - December 11, 2008** Th 4:30pm - 6:30pm	Seats (Total: 20) HBK 0125

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Belinda Huang	Seats (Total: 20)
	Meets September 2, 2008 - October 18, 2008	
	W 4:30pm - 6:30pm	JMZ 2117

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	Meets October 29, 2008 - December 10, 2008	
	W 4:30pm - 6:30pm	JMZ 2122

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Denise Cook, Dai-An Tran	Seats (Total: 20)
	Meets September 8, 2008 - October 27, 2008	
	M 4:15pm - 6:15pm	JMZ 2122

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD.

0101	James Carlough, Erin McClure	Seats (Total: 20)
	Meets October 30, 2008 - December 11, 2008	
	Th 5:00pm - 7:00pm	JMZ 2117

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme**

EDHI338P *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Alison Mojto, Jason Cha	Seats (Total: 20)
	Meets September 4, 2008 - October 23, 2008	
	Th 4:30pm - 6:30pm	JMZ 0122

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI606 **Political Economy of Education in a Global Context**

EDHI606 Political Economy of Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788Q in 2001 through 2004. Credit will be granted for only one of the following: EDHI606, EDPL606, or EDPS606. Formerly EDPL606. Examination of alternative economics perspectives and their implications for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.

0101	Steven Klees	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0114

EDHI640 **Introduction to Educational Leadership**

EDHI640 Introduction to Educational Leadership; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI640, EDPL640, or EDPS640. Formerly EDPL640. The focus of this course is the analysis of the role of education administrators/leaders in the social, political, and legal contexts of schools. Also examines the role of leadership in school improvement.

0101	Carol Parham	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1315

EDHI650 **Professional Seminar in Higher and Adult Education**

EDHI650 Professional Seminar in Higher and Adult Education; (3 credits) Grade Method: S-F.
Credit will be granted for only one of the following: EDHI650, EDPL650, or EDPS650. Formerly EDPL650. Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Marvin Titus	Seats (Total: 20)
	Th 1:00pm - 4:00pm	EDU 3233

EDHI651 **Higher Education Law**

EDHI651 Higher Education Law; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI651, EDPL651, or EDPS651. Formerly EDPL651. Selected court opinions, legislation and executive guidelines regulating higher education. First and fourth amendment rights of students and faculty, procedural due process, equal educational opportunity, equal protection in hiring, promotion, non-renewal and salaries, individual and institutional liability for civil rights violations and common law torts. No prior legal training required.

0101	Anne Bowden	Seats (Total: 14)
	Th 4:15pm - 7:00pm	HBK 1112

EDHI652 **Higher Education in American Society**

EDHI652 Higher Education in American Society; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI652, EDPL652, or EDPS652. Formerly EDPL652. Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.

0101	Alberto Cabrera	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 1107

EDHI657 **History of Higher Education in the United States**

EDHI657 History of Higher Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI657, EDPL657, or EDPS657. Formerly EDPL657. History of higher education in America from colonial times to the present with emphasis on expansion of higher education and the growing complexity of its structures, organization, and purposes.

0101	KerryAnn O'Meara	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2102

EDHI660 **Retention Theories and the Impact of College**

EDHI660 Retention Theories and the Impact of College; (3 credits) Grade Method: REG.

0101	Sharon Fries-Britt	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0202

EDHI664 **The College Experience**

EDHI664 The College Experience; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. For EDHI, EDPL, and EDPS majors only. Credit will be granted for only one of the following: EDHI664, EDPL664, or EDPS664. Formerly EDPL664. Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.

0101	Alberto Cabrera	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDHI670 **Learning Communities**

EDHI670 Learning Communities; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI670, EDPL670, or EDPS670. Formerly EDPL670. Reviews contemporary research on student and teacher learning and schools as learning organizations. It aims to build students understanding of opportunities and challanges to implementing learning environments in various educational organizations. Readings, cases and assignments emphasize students' understanding of learning theories and their application to various organizational settings.

OM11	Helene Cohen	Seats (Total: 20)
	Meets September 2, 2008 - December 15, 2008	
	Class time/details on ELMs	ONLINE
	Outreach Special Offering.	

EDHI672 **Modes of Inquiry in Education Research**

EDHI672 Modes of Inquiry in Education Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI672, EDPL672, or EDPS672. Formerly EDPL672. Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Steven Klees	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 3233

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

EDHI681 Education for Global Peace; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI681, EDPL681, or EDPS681. Formerly EDPL681. This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence.

0101	Jing Lin	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1107

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 Practicum In Educational Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI700, EDPL700, or EDPS700. Formerly EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney	Seats (Total: 16)
	M 4:15pm - 7:00pm	EDU 1107

EDHI743 **Leadership Theory**

EDHI743 Leadership Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI/EDPL/EDPS642. Credit will be granted for only one of the following: EDHI743, EDPL743, or EDPS743. Formerly EDPL743. Critical analysis of contemporary leadership theoretical constructs. Consideration of implications for organizational improvement.

0101	Thomas Davis	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 1107

EDHI754 **Higher Education Finance**

EDHI754 Higher Education Finance; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI754, EDPL754, or EDPS754. Formerly EDPL754. Economic perspectives on higher education. Ways of financing higher education and current finance issues. Higher education budget concepts and processes.

0101	Marvin Titus	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 3233

EDHI788A **Special Topics in Education Policy and Administration; Gender, Education, and Development**

EDHI788A Special Topics in Education Policy and Administration: Gender, Education, and Development; (1-3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0202

EDHI788D **Special Topics in Education Policy and Administration; Philanthropy and Fundraising in Higher Education**

EDHI788D Special Topics in Education Policy and Administration: Philanthropy and Fundraising in Higher Education; (3 credits) Grade Method: REG/AUD.

0101	Noah Drezner	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 1315

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798A **Special Problems in Education; Program and Professional Orientation**
Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Fall 2008

EDMS410 **Classroom Assessment**

EDMS410 Classroom Assessment; (3 credits) Grade Method: REG/AUD.
Junior standing. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad M 1:00pm - 3:45pm	Seats (Total: 30) EDU 0212
0201	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 30) EDU 0212

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.
Junior standing. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Brandi Weiss TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 0306
0201	William Dardick MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Hong Jiao Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0102	George Macready W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
IHP1	Franklin Horstman W 5:00pm - 7:30pm Class time/details on ELMs *Outreach Offering: Assessment and Evaluation Program course offering, offered at AACPS Carver Staff Development Center.Departmental Approval Required.*	Seats (Total: 15) Location: TBA ONLIN
OM11	George Macready **Meets August 28, 2008 - December 18, 2008** Th 4:15pm - 7:00pm Class time/details on ELMs *Web/online and classroom based. Priority given to patricipants in Outreach Programs.*	Seats (Total: 24) Location: TBA ONLINE

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Andre Rupp W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0114
0102	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212

EDMS647 **Introduction to Program Evaluation**

EDMS647 Introduction to Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 645. Overview of the program evaluation process; problems encountered in the practice of program evaluation. Course is offered in the fall semester only.

0101	Kathryn Alvestad W 4:15pm - 7:00pm	Seats (Total: 25) EDU 0306

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 40) EDU 0220

EDMS657 **Factor Analysis**

EDMS657 Factor Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 651. Development of models for factor analysis and their practical applications. Treatment of factor extraction, rotation, second-order factor analysis, and factor scores. Introduction to linear structural relations models.

0101	Gregory Hancock Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDMS747 **Design of Program Evaluations**

EDMS747 Design of Program Evaluations; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDMS 626; and EDMS 647; and EDMS 651 or permission of both department and instructor. Analysis of measurement and design problems in program evaluations.

0101	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 30) ASY 3207

EDMS779 **Seminar in Applied Statistics; Mathematical Foundations and Simulation Techniques**

EDMS779 *(PermReq)* **Seminar in Applied Statistics: Mathematical Foundations and Simulation Techniques; (1-3 credits)** Grade Method: REG/AUD.

0101	Jeffrey Harring	Seats (Total: 12)
	Tu 10:00am - 12:45pm	EDU 0202

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Fall 2008

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine Tu 4:15pm - 7:00pm	Seats (Total: 21) EDU 1107
0201	Julie Zdanoski TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0301	Julie Zdanoski MW 4:15pm - 5:30pm	Seats (Total: 30) ASY 3207

EDPS210U **Historical and Philosophical Perspectives on Education**

EDPS210U Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210.

0101	Pam Splaine Tu 4:15pm - 7:00pm	Seats (Total: 0) EDU 1107

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 1107
0301	Kasra Sotudeh MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107
0401	Ranetta Hardin MW 4:15pm - 5:30pm	Seats (Total: 30) JMZ 2206
0501	John Splaine Tu 4:15pm - 7:00pm	Seats (Total: 30) BPS 1238
0601	Kasra Sotudeh TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS611 **History of Education in the United States**

EDPS611 History of Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI611, EDPL611, or EDPS611. Formerly EDPL611. A study of the origins and development of education in the United States, emphasizing the variety of interpretive and methodological concerns that define the field.

0101	Barbara Finkelstein Th 7:00pm - 9:45pm	Seats (Total: 20) EDU 2102

EDPS612 **Philosophy of Education**

EDPS612 Philosophy of Education; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI612, EDPL612, or EDPS612. Formerly EDPL612.* A study of the great educational philosophers and systems of thought affecting the development of modern education, with particular emphasis on recent scholarship on philosophical problems in education.

0101	John Splaine, Pam Splaine Tu 7:00pm - 9:45pm	Seats (Total: 20) EDU 3233

EDPS615 **Economics of Education**

EDPS615 Economics of Education; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI615, EDPL615, or EDPS625. Formerly EDPL615.* An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.

0101	Jennifer Rice M 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDPS620 **Education Policy Analysis**

EDPS620 Education Policy Analysis; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI620, EDPL620, or EDPS620. Formerly EDPL620.* Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Betty Malen M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDPS624 **Culture in Education Policy and Practice**

EDPS624 Culture in Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI624, EDPL624, or EDPS624. Formerly EDPL624. Focuses on the exploration of culture as it shapes and is reflected in education purposes, policies and practices. Participants will have opportunities to engage in cultural analysis, to analyze unfamiliar cultural habits and associations, to develop a focus for intensive comparative cultural study in education, and to integrate a field work component into their studies.

0101	Barbara Finkelstein	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2101

EDPS634 **The School Curriculum**

EDPS634 The School Curriculum; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI634, EDPL634, or EDPS634. Formerly EDPL634. A foundations course embracing the curriculum as a whole from early childhood through adolescence, including a review of historical developments, an analysis of conditions affecting curriculum change, an examination of issues in curriculum making, and a consideration of current trends in curriculum design.

0101	Steven Selden	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2101

EDPS635 **Principles of Curriculum Development**

EDPS635 Principles of Curriculum Development; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI635, EDPL635, or EDPS635. Formerly EDPL635. Curriculum planning, improvement, and evaluation in the schools; principles for the selection and organization of the content and learning experiences; ways of working in classroom and school on curriculum improvement.

0101	Francine Hultgren	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2102

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS736 **Phenomenological Inquiry II**

EDPS736 Phenomenological Inquiry II; (3 credits) Grade Method: REG. *Prerequisite: EDHI/EDPL/EDPS735. Credit will be granted for only one of the following: EDHI736, EDPL736 or EDPS736. Formerly EDPL736.* This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren Th 7:00pm - 9:45pm	Seats (Total: 20) EDU 1107

EDPS757 **College Teaching**

EDPS757 College Teaching; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI757, EDPL757, or EDPS757. Formerly EDPL757.* Critical review of literature on teaching in higher education from conceptual and practical viewpoints. Designed for current and prospective adult educators. Focused on research and improvement of instruction.

0101	Steven Selden W 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDPS788A **Special Topics in Education Policy and Administration; Research Apprenticeship**

EDPS788A Special Topics in Education Policy and Administration: Research Apprenticeship; (1-3 credits) Grade Method: REG.

OM11	Betty Malen, Jennifer Rice W 4:15pm - 7:00pm	Seats (Total: 10) Location: TBA
	Open to Masters and Doctoral students. Location: PGCPS Sasscer Building Upper Marlboro, MD. Contact Dr Betty Malen PRIOR to registration at 301-405-3587 or malen@umd.edu.	

EDPS788B **Special Topics in Education Policy and Administration; Professional Seminar in Education Policy Studies**

EDPS788B Special Topics in Education Policy and Administration: Professional Seminar in Education Policy Studies; (3 credits) Grade Method: REG/AUD. Provides an overview of policy studies from different theoretical and disciplinary perspectives, emphasizing the knowledge and skills required to conduct scholarship and research to inform policy and practice.

0101	Robert Croninger	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2102

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (3 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Fall 2008

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. *Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470.* Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Carolyn Fink, Deirdre Barnwell TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 1121
	Section is team-taught by Dr Deirdre Barnwell and Dr Carolyn Fink.	
0201	Carolyn Fink, Deirdre Barnwell TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 1121
	Section is team-taught by Dr Deirdre Barnwell and Dr Carolyn Fink.	

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Elaine Aiello MW 4:30pm - 5:45pm	Seats (Total: 27) COL 0113
0201	Elaine Aiello MW 5:45pm - 7:00pm	Seats (Total: 27) COL 0113

EDSP400 **Functional Assessment and Instruction in Special Education**

EDSP400 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. 3 semester hours. Also offered as EDSP602. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood. Practicum required. Placement arranged for those students not concurrently enrolled in EDSP 421, EDSP 434, or EDSP 452.

0101	Diane Kelly W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDSP402 **Field Placement: Severe Disabilities I**

EDSP402 Field Placement: Severe Disabilities I; (2-5 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisites: EDSP400 and EDSP404; or permission of department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week.

0101	Andrew Egel Contact instructor or department for details.	Seats (Total: 10)

EDSP404 **Education of Students with Autism**

EDSP404 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Pre- or corequisites: {EDSP400 and EDSP402} or permission of department. Also offered as EDSP604. Credit will be granted for only one of the following: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic.

0101	Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315	

EDSP406 **Field Placement I**

EDSP406 Field Placement I; (1 credit) Grade Method: REG/AUD.
Restricted to students with the following major codes: EDSP, and 0808P. Credit will be granted for only one of the following: EDSP322 or EDSP406. Formerly EDSP322.
Practicum experience in special education.

0101	M Brown F 10:00am - 12:00pm Tu 8:00am - 1:00pm	Seats (Total: 15) EDU 1121 Location: TBA	 Lab
0201	M Brown F 10:00am - 12:00pm W 8:00am - 1:00pm	Seats (Total: 15) EDU 1121 Location: TBA	 Lab

EDSP413 **Behavior and Classroom Management in Special Education**

EDSP413 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP613. Credit will be granted for only one of the following: EDSP321, EDSP413, or EDSP613. Formerly EDSP321.
Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.

0101	Andrew Egel MW 2:45pm - 4:15pm	Seats (Total: 40) EDU 2102
0201	Peter Leone Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

IHP1	Mark Zablocki **Meets September 11, 2008 - December 18, 2008** Th 4:00pm - 7:00pm Class time/details on ELMs *Professor Dev Outreach offering for Oak Hill Youth Center, Laurel MD. D partment Permission Required.*	Seats (Total: 20) Location: TBA ONLINE

EDSP420 **Characteristics of Infants & Young Children: Early Childhood Special Education**

EDSP420 Characteristics of Infants & Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP626. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. Practicum required. Placement arranged for students not concurrently enrolled in EDSP 421.

0101	Paula Beckman Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 0202

EDSP421 **Field Placement in Special Education: Early Childhood I**

EDSP421 Field Placement in Special Education: Early Childhood I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Paula Beckman F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0114 Location: TBA	 Lab

EDSP422 **Curriculum and Instruction: Early Childhood Special Education**

EDSP422 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP627. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instruction for young children with mild and moderate disabilities, preschool through primary grades.

0101	Joan Lieber	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0206

EDSP434 **Field Placement in Special Education: Secondary Middle I**

EDSP434 Field Placement in Special Education: Secondary Middle I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience I in secondary middle special education.

0101	Paula Maccini	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 3236	
	Tu 7:00am - 4:00pm	Location: TBA	Lab
	Th 7:00am - 1:00pm	Location: TBA	Lab

EDSP450 **Inclusive Practices in the Schools**

EDSP450 Inclusive Practices in the Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP606. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Also offered as EDSP606 (formerly EDSP788P). Credit will be granted for only one of the following: EDSP 450, EDSP606 or EDSP788P.

0101	Barbara Gruber	Seats (Total: 27)
	Tu 4:15pm - 7:00pm	PLS 1111

EDSP451 **Curriculum and Instruction: Elementary Special Education**

EDSP451 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP652. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Susan De La Paz	Seats (Total: 26)	
	Th 1:15pm - 4:00pm	EDU 2101	

EDSP452 **Field Placement in Special Education: Elementary I**

EDSP452 Field Placement in Special Education: Elementary I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Field experience I in elementary special education.

0101	Rebecca Silverman	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 1315	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP455 **Assessment in Elementary Special Education**

EDSP455 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP654. Credit will be granted for only one of the following: EDSP455 or EDSP654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education.

0101	Caroline Walker	Seats (Total: 16)	
	W 4:15pm - 7:00pm	EDU 2101	

EDSP466 **Issues and Models of Instruction: Middle/Secondary Special Education**

EDSP466 Issues and Models of Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP664. Credit will be granted for only one of the following: EDSP466 or EDSP664. Issues, legislation, and service models in middle/secondary special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2102

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children. Not open to undergraduate special education or pre-special education majors.

0101	Asha-Lateef Williams TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 0212
0201	Agnesanne Danehey M 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121
0301	Lenisa Joseph Tu 7:00pm - 9:45pm *Restricted to Education majors only (both undergraduate and graduate).*	Seats (Total: 40) EDU 1107
0401	Paula Beckman W 4:15pm - 7:00pm	Seats (Total: 40) EDU 0212

EDSP477 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP477 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP677. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practices for effective instruction in middle and secondary content areas for students in special education.

0101	Paula Maccini Tu 4:15pm - 7:00pm	Seats (Total: 26) EDU 0306

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: EDHD426 or permission of department. Also offered as EDSP682. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP488R. Provides approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Susan De La Paz M 4:15pm - 7:00pm	Seats (Total: 24) EDU 0212

EDSP484 **Reading and Writing Instruction in Special Education II**

EDSP484 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP416. For EDSP or 0808P majors only. Also offered as EDSP684. Credit will be granted for only one of the following: EDSP484 or EDSP684. Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Rebecca Silverman Tu 1:15pm - 4:00pm	Seats (Total: 20) CCC 1111

EDSP487 **Family Partnerships in Special Education**

EDSP487 Family Partnerships in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP687. Credit will be granted for only one of the following: EDSP330, EDSP487, or EDSP687. Formerly EDSP330. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 25) EDU 1121

0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315

EDSP488T **Selected Topics in Teacher Education; Mentoring Preservice Special Educators**
Contact department for information to register for this course.

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advising; (1-6 credits)** Grade Method: REG/P-F/AUD.
Limited to pre-special and special education majors.

0101	Dawn Molloy F 12:00pm - 2:00pm	Seats (Total: 15) EDU 1315

EDSP499C **Workshops, Clinics, and Institutes in Special Education; Cultural Diversity and Disability**

EDSP499C *(PermReq)* **Workshops, Clinics, and Institutes in Special Education: Cultural Diversity and Disability; (3 credits)** Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDSP499C or EDSP 678C.
Prerequisite: permission of department.

0101	Glenda Hernandez	Seats (Total: 40)
	M 10:00am - 1:00pm	EDU 1121

EDSP499W **Workshops, Clinics, and Institutes in Special Education; School Violence and Disruption**

EDSP499W Workshops, Clinics, and Institutes in Special Education: School Violence and Disruption; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDSP499W or EDSP 607.

0101	William Drakeford	Seats (Total: 28)
	Th 7:00pm - 9:45pm	EDU 1121

EDSP600 **Exceptional Children and Youth**

EDSP600 *(PermReq)* **Exceptional Children and Youth; (3 credits)** Grade Method: REG/AUD.
Prerequisite: 9 hours in special education and permission of department. Examines research relevant to the education of exceptional children and youth.

0101	Debra Neubert	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 3236

EDSP602 **Functional Assessment and Instruction in Special Education**

EDSP602 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP400. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Diane Kelly	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP604 **Education of Students with Autism**

EDSP604 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 404. Credit will be granted for only one of the following: EDSP 404 or EDSP 604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic or having a pervasive development disorder.

0101	Andrew Egel	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 1315

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

EDSP606 Advanced Study in Inclusive Practices in The Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP450. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Formerly EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Formerly offered as EDSP788P. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P.

0101	Barbara Gruber	Seats (Total: 27)
	Tu 4:15pm - 7:00pm	PLS 1111

EDSP607 **School Violence and Disruption**

EDSP607 School Violence and Disruption; (3 credits) Grade Method: REG.
3 semester hours. An examination of school violence and disruption from multiple perspectives. Societal, community, and individual factors are examined. Prevention strategies, interagency collaboration, and intervention techniques are addressed. Credit will be granted for only one of the following: EDSP499W or EDSP 607.

0101	William Drakeford	Seats (Total: 28)
	Th 7:00pm - 9:45pm	EDU 1121

EDSP613 **Behavior and Classroom Management in Special Education**

EDSP613 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only or permission of instructor. Also offered as EDSP 413. Credit will be granted for only one of the following: EDSP 413 or EDSP 613. Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.

0101	Andrew Egel MW 2:45pm - 4:15pm	Seats (Total: 40) EDU 2102
0201	Peter Leone Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121
IHP1	Mark Zablocki **Meets September 11, 2008 - December 18, 2008** Th 4:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) Location: TBA ONLINE

EDSP622 **History, Research and Context in Behavioral and Learning Di sorders**

EDSP622 *(PermReq)* **History, Research and Context in Behavioral and Learning Di sorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDSP 470 or permission of department. Examination of theoretical, historical, and contextual influences affecting the study and treatment of persons with behavioral and learning disorders.

0101	Deborah Speece M 4:15pm - 7:00pm	Seats (Total: 15) EDU 1304A

EDSP626 **Characteristics of Infants and Young Children: Early Childhood Special Education**

EDSP626 Characteristics of Infants and Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP420. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. For EDSP majors only.

0101	Paula Beckman Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 0202

EDSP627 **Curriculum and Instruction: Early Childhood Special Education**

EDSP627 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP422. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instructor for young children with mild and moderate disabilities, preschool through primary grades. For EDSP majors only.

0101	Joan Lieber Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0206

EDSP652 **Curriculum and Instruction: Elementary Special Education**

EDSP652 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP451. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included. For EDSP majors only.

0101	Susan De La Paz Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2101

EDSP654 **Assessment in Elementary Special Education**

EDSP654 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP455. Credit will be granted for only one of the following: EDSP455 or EDSP 654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education. For EDSP majors only.

0101	Caroline Walker W 4:15pm - 7:00pm	Seats (Total: 16) EDU 2101

EDSP664 **Issues and Models:Secondary/Middle Special Education**

EDSP664 Issues and Models:Secondary/Middle Special Education; (3 credits)
Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 466. Credit will be granted for only one of the following: EDSP 466 or EDSP 664. Issues, legislation, and service models in secondary/middle special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert	Seats (Total: 26)
	Th 1:15pm - 4:00pm	EDU 2102

EDSP670 **Single Subject Research in Special Education**

EDSP670 *(PermReq)* **Single Subject Research in Special Education; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: EDSP 600 or permission of department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

IHP1	Frances Kohl	Seats (Total: 15)
	Meets October 17, 2008 - November 1, 2008	
	F 6:00pm - 9:30pm	Location: TBA
	Sa 9:00am - 9:30am	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ring. Departmental Approval Required.	

EDSP671 **Qualitative Methodologies in Special Education**

EDSP671 *(PermReq)* **Qualitative Methodologies in Special Education; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: EDSP600 or permission of department. Design and evaluation of qualitative research in special education across disabilities and ages.

IHP1	Margaret McLaughlin	Seats (Total: 15)
	Meets November 7, 2008 - November 22, 2008	
	F 6:00pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ring. Departmental Approval Required.	

EDSP675 **Legal and Policy Foundations of Special Education**
Contact department for information to register for this course.

EDSP677 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP677 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP477. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practicies for effective instruction in middle and secondary content areas for students in special education. For EDSP majors only.

0101	Paula Maccini	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0306

EDSP678C **Seminar in Special Education; Guided Readings in Cultural Diversity and Disability**

EDSP678C *(PermReq)* **Seminar in Special Education: Guided Readings in Cultural Diversity and Disability; (3 credits)** Grade Method: REG.
Credit will be granted for only one of the following: EDSP499C or EDSP 678C. Prerequisite: permission of department.

0101	Glenda Hernandez	Seats (Total: 40)
	M 10:00am - 1:00pm	EDU 1121

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits)
Grade Method: REG/AUD.
Also offered as EDSP482. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Susan De La Paz M 4:15pm - 7:00pm	Seats (Total: 24) EDU 0212

EDSP684 **Reading and Writing Instruction in Special Education II**

EDSP684 Reading and Writing Instruction in Special Education II; (3 credits)
Grade Method: REG.
Prerequisite: EDSP 616 or permission of department. Also offered as EDSP 484. Credit will be granted for only one of the following: EDSP 484 or EDSP 684.
Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Rebecca Silverman Tu 1:15pm - 4:00pm	Seats (Total: 20) CCC 1111

EDSP687 **Family Partnerships in Special Education**

EDSP687 Family Partnerships in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP 487. Credit will be granted for only one of the following: EDSP 487 or EDSP 687. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 25) EDU 1121
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315

EDSP691 **Graduate Internship in Special Education I: Early Childhood**

EDSP691 Graduate Internship in Special Education I: Early Childhood; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in early childhood special education. Credit will be granted for only one of the following: EDSP431 and EDSP691. Formerly EDSP431. Internship I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Joan Lieber	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 2101 Location: TBA	Lab

EDSP692 **Graduate Internship in Special Education I: Elementary**

EDSP692 Graduate Internship in Special Education I: Elementary; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors. Students must reserve three-half days per week for internship in elementary special education. Credit will be granted for only one of the following: EDSP456 or EDSP692. Formerly EDSP456. Internship I in elementary special education.

0101	David Cooper	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 2102 Location: TBA	Lab

EDSP693 **Graduate Internship in Special Education I: Secondary Middle**

EDSP693 Graduate Internship in Special Education I: Sceondary Middle; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in secondary middle special edcuation. Credit will be granted for only one of the following: EDSP436 or EDSP693. Formerly EDSP436. Internship I in secondary middle special education.

0101	William Drakeford	Seats (Total: 20)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 0206 Location: TBA	Lab

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP860 **Doctoral Research Seminar**

EDSP860 Doctoral Research Seminar; (3 credits) Grade Method: REG/AUD. Issues and procedures relevant to conducting and analyzing research in special education.

0101	Joan Lieber	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1304A

EDSP872 **Theory and Empirical Design in Special Education Research**

EDSP872 *(PermReq)* **Theory and Empirical Design in Special Education Research; (3 credits)** Grade Method: REG/AUD.
For Doctorial Students only. Prerequisite: EDMS645 and EDMS646 or permission of department. Credit will be granted for only one of the following: EDSP672 or EDSP872. Formerly EDSP672. Design and evaluation of quantitative research in special education across disabilities and ages.

0101	David Cooper	Seats (Total: 15)
	W 4:15pm - 7:00pm	EDU 1304A

IHP1	Margaret McLaughlin	Seats (Total: 15)
	Meets September 5, 2008 - October 4, 2008	
	F 6:00pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ering. Departmental Approval Required.	

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888B **Apprenticeship in Special Education; Current Policy and Practices in Special Education**

EDSP888B *(PermReq)* **Apprenticeship in Special Education: Current Policy and Practices in Special Education; (1-8 credits)** Grade Method: REG/AUD.

IHP1	Philip Burke	Seats (Total: 4)
	Contact instructor or department for details.	
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ering. Departmental Approval Required.	

EDSP888C **Apprenticeship in Special Education; Current Policy and Practices in Special Education**

EDSP888C *(PermReq)* **Apprenticeship in Special Education: Current Policy and Practices in Special Education; (1-8 credits)** Grade Method: REG/AUD.

IHP2	Frances Kohl	Seats (Total: 5)
	Contact instructor or department for details.	
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ering. Departmental Approval Required.	

EDSP888D **Apprenticeship in Special Education; Current Policy and Practices in Special Education**

EDSP888D *(PermReq)* **Apprenticeship in Special Education: Current Policy and Practices in Special Education; (1-8 credits)** Grade Method: REG/AUD.

IHP3	Margaret McLaughlin	Seats (Total: 5)
	Contact instructor or department for details.	
	Special Education Leadership EdD Program (DoDDS - Germany) Outreach Off ering. Departmental Approval Required.	

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2008

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experience In College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Sherman Th 5:00pm - 7:00pm Contact instructor or department for details. *This section relates to the standard UTA program and should be taken concurrently with EDCI498, section 6601 for one credit.*	Seats (Total: 35) ASY 3215
0201	Gerry Strumpf Tu 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3111
0202	Dian Squire W 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3114
0203	Laila Shishineh M 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3114
0401	Sharon Vanwright M 4:00pm - 6:00pm Contact instructor or department for details. *This section relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.*	Seats (Total: 20) MMH 2202
0501	Stacy Woycheck W 2:30pm - 4:20pm Contact instructor or department for details. *This section relates to the standard UTA program and is restricted to Life Science students only.*	Seats (Total: 20) HZF 0106

EDUC388H **Special Topics in Education; Honors Synthesis Seminar**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program. For additional information contact Christy Corbin at her e-mail address, cc197@umail.umd.edu.

0101	Christy Tirrell-Corbin	Seats (Total: 20)
	M 4:15pm - 6:15pm	EDU 0206

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Course restricted to students admitted to College of Education honors program.

Contact department for information to register for this course.

EMBA Executive MBA Program Fall 2008

EMBA610 **Introduction to Financial Accounting**
Contact department for information to register for this course.

EMBA630 **Data Models and Decisions**
Contact department for information to register for this course.

EMBA637 **Corporate Finance**
Contact department for information to register for this course.

EMBA640 **Financial Management**
Contact department for information to register for this course.

EMBA646 **Global Economics and Public Policy**
Contact department for information to register for this course.

EMBA656 **Leadership and Human Capital**
Contact department for information to register for this course.

EMBA681 **Managerial Economics and Public Policy**
Contact department for information to register for this course.

EMBA686 **Competition, Strategy and Globalization**
Contact department for information to register for this course.

EMBA697 **Supply Chain Management**
Contact department for information to register for this course.

EMBA732 **Supply Chain Management**
Contact department for information to register for this course.

EMBA758A **Special Topics; Strategic Information Systems**

EMBA758A Special Topics: Strategic Information Systems; (3 credits) Grade Method: REG.

EH03	Barnet Corwin **Meets September 30, 2008 - October 21, 2008** Contact instructor or department for details.	Seats (Total: 50)
EM08	Ritu Agarwal **Meets May 30, 2008 - July 26, 2008** Contact instructor or department for details.	Seats (Total: 40)
ZC10	Barnet Corwin **Meets September 30, 2008 - October 21, 2008** Contact instructor or department for details.	Seats (Total: 20)
ZH09	Salvatore Belardo **Meets September 20, 2008 - October 19, 2008** Contact instructor or department for details.	Seats (Total: 60)

EMBA758C **Special Topics; Advanced MIS and IT**
Contact department for information to register for this course.

EMBA758D **Special Topics; Advanced Corporate Strategy**
Contact department for information to register for this course.

EMBA758E	**Special Topics; Cross Cultural Management** **Contact department for information to register for this course.**
EMBA758F	**Special Topics; Advanced Supply Chain Management** **Contact department for information to register for this course.**
EMBA758G	**Special Topics; Advanced Corporate Finance** **Contact department for information to register for this course.**
EMBA758I	**Special Topics; Internal Auditing II** **Contact department for information to register for this course.**
EMBA758M	**Special Topics; Advanced Human Resource Management** **Contact department for information to register for this course.**
EMBA758P	**Special Topics; Investment Management** **Contact department for information to register for this course.**
EMBA758V	**Special Topics; Business Ethics** **Contact department for information to register for this course.**
EMBA759	**Independent Study** **Contact department for information to register for this course.**
EMBA788	**Executive Skills Mastery** **Contact department for information to register for this course.**
EMBA789	**Leadership Mastery** **Contact department for information to register for this course.**
EMBA798	**Action Learning Project** **Contact department for information to register for this course.**

ENAE Engineering, Aerospace Fall 2008

ENAE100	**The Aerospace Engineering Profession**

ENAE100 *(PermReq)* **The Aerospace Engineering Profession; (1 credit)** Grade Method: REG/P-F/AUD.
Recommended: ENES100 and MATH140. Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	Darryll Pines	Seats (Total: 150)
	Tu 12:30pm - 1:45pm	EGR 1202

ENAE283 **Introduction to Aerospace Systems**

ENAE283 Introduction to Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	John Anderson	Seats (Total: 95)
	TuTh 9:30am - 10:45am	CSS 2324

ENAE283H **Introduction to Aerospace Systems**

ENAE283H *(PermReq)* **Introduction to Aerospace Systems; (3 credits)** Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283.

0101	Alison Flatau	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EGR 0135

ENAE301 **Dynamics of Aerospace Systems**

ENAE301 Dynamics of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE283, MATH240, MATH246, and {PHYS270 and PHYS271 (Formerly: 263)}.ENAE majors only or permission of department. Junior standing. Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Benjamin Shapiro TuTh 12:30pm - 1:45pm F 1:00pm - 3:00pm	Seats (Total: 60) ARM 0112 EGR 3140	 Lab
0201	Derek Paley TuTh 12:30pm - 1:45pm F 3:00pm - 5:00pm	Seats (Total: 60) TYD 1102 EGR 3140	 Lab

ENAE311 **Aerodynamics I**

ENAE311 Aerodynamics I; (3 credits) Grade Method: REG.
Prerequisites: ENAE283 and MATH246. ENAE majors only or permission of department. Formerly ENAE471. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Christopher Cadou TuTh 9:30am - 10:45am	Seats (Total: 68) CHE 2110	

ENAE311H **Aerodynamics I**

ENAE311H *(PermReq)* **Aerodynamics I; (3 credits)** Grade Method: REG/P-F.
Prerequisites: ENAE283 and MATH246. ENAE majors only or permission of department. Formerly ENAE471.

0101	Christopher Cadou TuTh 9:30am - 10:45am	Seats (Total: 30) CHE 2110	

ENAE362 **Aerospace Instrumentation and Experimentation**

ENAE362 Aerospace Instrumentation and Experimentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE283 and MATH246. Junior standing. For ENAE majors only. Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Allen Winkelmann MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0102	Allen Winkelmann MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0103	Allen Winkelmann MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0104	Allen Winkelmann MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

ENAE380 Flight Software Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only. Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles. Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

0101	Anthony Banes MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 42) EGR 1202 Location: TBA	Lab
0102	Anthony Banes MW 9:00am - 9:50am F 11:00am - 12:50pm	Seats (Total: 40) EGR 1202 Location: TBA	Lab
0103	Anthony Banes MW 9:00am - 9:50am F 3:00pm - 4:50pm	Seats (Total: 40) EGR 1202 Location: TBA	Lab

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

ENAE403 Aircraft Flight Dynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE432 and ENAE414. ENAE majors only or permission of department.* Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	James Humbert TuTh 3:30pm - 4:45pm	Seats (Total: 65) CHM 1402

ENAE415 **Helicopter Theory**

ENAE415 Helicopter Theory; (3 credits) Grade Method: REG. *Prerequisite: ENAE414. For ENAE majors only.* Elementary exposition on the theory and practice of aerodynamics applied to helicopters and other rotary wing aircraft.

0101	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 15) EGL 1204

ENAE423 **Vibration and Aeroelasticity**

ENAE423 Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Sung Lee	Seats (Total: 60)
	MWF 11:00am - 11:50am	CHM 0119

ENAE423H **Vibration and Aeroelasticity**

ENAE423H Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.*

0101	Norman Wereley	Seats (Total: 25)
	MWF 11:00am - 11:50am	CCC 1111

ENAE441 **Space Navigation and Guidance**

ENAE441 Space Navigation and Guidance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE432 and ENAE404. ENAE majors only or permission of department. Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.

0101	Liam Healy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EGR 2154

ENAE455 **Aircraft Propulsion and Power**

ENAE455 Aircraft Propulsion and Power; (3 credits) Grade Method: REG/P-F. *Prerequisite: ENAE311, ENAE414 and ENME232. ENAE majors only or permission of department.* Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Kenneth Yu TuTh 12:30pm - 1:45pm	Seats (Total: 65) PLS 1130

ENAE457 **Space Propulsion and Power**

ENAE457 Space Propulsion and Power; (3 credits) Grade Method: REG/P-F. *Prerequisites: ENAE311, ENME232 and (PHYS270 and 271 {Formerly: PHYS263}). ENAE majors only or permission of department. Senior standing.* Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Raymond Sedwick TuTh 4:00pm - 5:15pm	Seats (Total: 40) EGL 1204

ENAE471 **Aircraft Flight Testing**

ENAE471 Aircraft Flight Testing; (3 credits) Grade Method: REG. *Prerequisite: ENAE414;. Corequisite: ENAE403. For ENAE majors only.* Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	John Leishman TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 2116

ENAE481 **Principles of Aircraft Design**

ENAE481 Principles of Aircraft Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE324, ENAE362 and ENAE432. Corequisite: ENAE414. ENAE majors only or permission of department.* Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

0101	Dominic Palumbo MWF 12:00pm - 12:50pm	Seats (Total: 65) SYM 0200

ENAE483 **Principles of Space Systems Design**

ENAE483 Principles of Space Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE324; ENAE432; ENAE362; and ENAE404. ENAE majors only or permission of department. Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 38) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE488A **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

ENAE488A Topics in Aerospace Engineering: Topics in Wind Tunnel Testing; (3 credits) Grade Method: REG/P-F/AUD.
Prequisite: ENAE311 and ENAE362. For ENAE majors only or permission of the department.

0101	Allen Winkelmann MW 8:00am - 8:50am F 2:00pm - 5:00pm	Seats (Total: 12) EGR 0123 EGR 0123	 Lab

ENAE488T **Topics in Aerospace Engineering; Engineering Optimization**

ENAE488T Topics in Aerospace Engineering: Engineering Optimization; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENAE681.

0101	Roberto Celi MW 2:00pm - 3:15pm	Seats (Total: 12) MTH 0104

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

ENAE601 Astrodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 404 and ENAE 441. Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

0101	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 20) ITV 1100
HG01	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
HT01	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SG01	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

SM01	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

ENAE631 **Helicopter Aerodynamics I**

ENAE631 *(PermReq)* **Helicopter Aerodynamics I; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENAE 311 and ENAE 414 or permission of both department and instructor. A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGL 1204

ENAE641 **Linear System Dynamics**

ENAE641 Linear System Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 432. Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

0101	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 2107
HG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
HT01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)

SG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
SM01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
TV01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)

ENAE651 **Smart Structures**

ENAE651 Smart Structures; (3 credits) Grade Method: REG/AUD.
Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostricter actuators and fiber optic sensors. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 25) ITV 1100
FSO1	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
HG01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
HT01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SG01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
TV01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENAE655 **Structural Dynamics**

ENAE655 Structural Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 452 or permission of department.* Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

FS01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 25) ITV 1111

ENAE661 **Advanced Propulsion I**

ENAE661 Advanced Propulsion I; (3 credits) Grade Method: REG/AUD. *Prerequisites: ENAE 455; and ENAE 457.* Special problems of thermodynamics and dynamics of aircraft power plants; jet, rocket and ramjet engines. Plasma, ion and nuclear propulsion for space vehicles.

0101	Mark Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 3111

ENAE681 **Engineering Optimization**

ENAE681 Engineering Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and systems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis. Also offered as ENAE488T.

0101	Roberto Celi MW 2:00pm - 3:15pm	Seats (Total: 12) MTH 0104

ENAE683 **High Temperature Gas Dynamics**

ENAE683 High Temperature Gas Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Aspects of physical chemistry and statistical thermodynamics necessary for the analysis of high temperature flows, equilibrium and nonequilibrium chemically reacting flows, shock waves, nozzle flows, viscous chemically reacting flow, blunt body flows, chemically reacting boundary layers, elements of radiative gas dynamics and applications to hypersonic vehicles.

0101	David Van Wie TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 3102

ENAE684 **Computational Fluid Dynamics I**

ENAE684 Computational Fluid Dynamics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

0101	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 27) ITV 1100
FS01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
HG01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

HT01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
SG01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
SM01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
TV01	James Baeder TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

ENAE788D Selected Topics in Aerospace Engineering: Advanced Space Systems Design; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 20) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

ENAE788K Selected Topics in Aerospace Engineering: Estimation and Control of Stochastic Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 20) ITV 1100
HG01	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

ENAE788R **Selected Topics in Aerospace Engineering; Rotorcraft Aeroacoustics**

ENAE788R Selected Topics in Aerospace Engineering: Rotorcraft Aeroacoustics; (3 credits) Grade Method: REG.

0101	Fredric Schmitz Contact instructor or department for details.	Seats (Total: 5)

ENAE788V **Selected Topics in Aerospace Engineering; Hypersonic Aerodynamics**

ENAE788V Selected Topics in Aerospace Engineering: Hypersonic Aerodynamics; (3 credits) Grade Method: REG.

0101	Mary Bowden Contact instructor or department for details.	Seats (Total: 1)

ENAE788X **Selected Topics in Aerospace Engineering; Planetary Surface Robotics**

ENAE788X Selected Topics in Aerospace Engineering: Planetary Surface Robotics; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 20) ITV 1111
HG01	David Akin Contact instructor or department for details.	Seats (Total: 5)
HT01	David Akin Contact instructor or department for details.	Seats (Total: 5)
SG01	David Akin Contact instructor or department for details.	Seats (Total: 5)
SM01	David Akin Contact instructor or department for details.	Seats (Total: 5)
TV01	David Akin Contact instructor or department for details.	Seats (Total: 5)

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE Biological Resources Engineering Fall 2008

ENBE200 **Fundamentals of Agricultural Mechanics**

ENBE200 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F.

Formerly ENAG200. Study of hand tools and power shop equipment as they relate to mechanized agriculture, in tool fitting, plumbing, wood and metal working, welding, brazing, soldering, hot and cold sheet metal, electricity, construction and building materials, sketching, drawing and using plans for construction. Emphasis is upon the development of orderly and safe shop procedures.

0101	Roy Walls	Seats (Total: 20)	
	TuTh 9:00am - 9:50am	ANS 0504	
	TuTh 10:00am - 11:50am	ANS 0504	Lab
0201	Roy Walls	Seats (Total: 20)	
	TuTh 2:00pm - 2:50pm	ANS 0504	
	TuTh 3:00pm - 4:50pm	ANS 0504	Lab

ENBE462 **Nonpoint Source Pollution Assessment Techniques**

ENBE462 Nonpoint Source Pollution Assessment Techniques; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: one course in hydrology or permission of department. Various techniques to identify and measure nonpoint source pollution. Primary focus is on agriculture and water. Also offered as ENST427. Credit will granted for only one of the following: ENBE462 or ENST427.

0101	Gary Felton	Seats (Total: 15)
	TuTh 9:30am - 10:45am	ANS 0422

ENBE489 **Special Problems in Biological Engineering**

ENBE489 *(PermReq)* **Special Problems in Biological Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE499 **Special Problems in Agricultural Engineering Technology**

ENBE499 *(PermReq)* **Special Problems in Agricultural Engineering Technology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE688 **Advanced Topics in Biological Engineering**

ENBE688 *(PermReq)* **Advanced Topics in Biological Engineering; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE699 **Special Problems in Biological Engineering**

ENBE699 *(PermReq)* **Special Problems in Biological Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE799 **Master's Thesis Research**

ENBE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE898 **Pre-Candidacy Research**

ENBE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE899 **Doctoral Dissertation Research**

ENBE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Fall 2008

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker	Seats (Total: 100)
	F 1:00pm - 1:50pm	KEB 1110

ENCE200 **Engineering Information Processing I**

ENCE200 *(PermReq)* **Engineering Information Processing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Spreadsheet, computational and symbolic processing packages are introduced in the context of solving engineering problems, including systems of linear equations. Computer architecture, networks, Boolean algebra, databases and introductory programming skills.

0101	Mark Austin	Seats (Total: 75)
	MWF 9:00am - 9:50am	CSI 2117

ENCE201 **Engineering Information Processing II**

ENCE201 *(PermReq)* **Engineering Information Processing II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE200 and permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Matrix algebra and numerical computing. Includes computing accuracy, solutions of systems of linear equations, root-finding, function approximation, and numerical integration. Additional computing material including data types and structures, object-based programming, event-based programming, and client-server computing. Numerical and computing techniques are taught in the context of solving engineering problems.

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 40) EGR 0135	

ENCE215 **Applied Engineering Sciences**

ENCE215 *(PermReq)* **Applied Engineering Sciences; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Examination of fundamental and applied aspects of chemistry, biology, and geochemistry. Fundamental principles will be coupled with analytical and computational skills essential for addressing crucial processes on human impact on the environment and urban infrastructure. Applications to the development of new materials and technologies will be covered in case studies. Students should come out with an appreciation of how understanding the fundamental concepts could facilitate the development of technologies to mitigate human impact on the environment.

0101	Alba Torrents, Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 38) EGR 1104	
0102	Alba Torrents, Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 38) EGR 0135	

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications. Restricted to students in the College of Engineering.

0101	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab

0102	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 2:30pm - 4:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab
0103	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 4:30pm - 6:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab

ENCE301 **Geo-Metrics and GIS in Civil Engineering**

ENCE301 *(PermReq)* **Geo-Metrics and GIS in Civil Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE200, ENCE201 and permission of department. The purpose is to have students develop skills in using GIS technology to solve a range of problems in Civil and Environmental Engineering. It begins with a rigorous unit on the basics of database organization and use. Then it presents GIS concepts emphasizing the linkage between a standard relational database and the spatially-referenced database underlying the GIS. Both raster and vector data models are presented and used in a variety of natural applications to Civil and Environmental Engineering. Students are also exposed to scripting which aids in the development of more elaborate analyses and reinforces object-oriented programming concepts learned in ENCE 200 and ENCE 201.

0101	Elise Miller-Hooks MWF 11:00am - 11:50am	Seats (Total: 35) EGR 0135

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data. Restricted to students in the College of Engineering.

0101	Bilal Ayyub MWF 2:00pm - 2:50pm	Seats (Total: 40) EGR 1108

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 45) EGR 1104
0102	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 45) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Oliver Hao TuTh 8:00am - 9:15am	Seats (Total: 25) EGR 0135
0201	Allen Davis TuTh 8:00am - 9:15am	Seats (Total: 25) EGR 3114

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control. Restricted to students in the College of Engineering.

0101	C Smith, Shu-Chien Hsu	Seats (Total: 95)
	MW 4:00pm - 5:15pm	CHE 2108

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Deborah Goodings	Seats (Total: 42)
	TuTh 9:30am - 10:45am	HJP 2242

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses. Restricted to students in the College of Engineering.

0101	Peter Chang	Seats (Total: 45)
	MWF 9:00am - 9:50am	EGR 3106

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 *(PermReq)* **Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, MATH140 and permission of department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSS 1113

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis. Restricted to students in the College of Engineering.

0101	Cinzia Cirillo	Seats (Total: 45)
	MWF 1:00pm - 1:50pm	EGR 3106

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE310 and permission of department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Eric Seagren TuTh 11:00am - 11:50am F 10:00am - 1:00pm	Seats (Total: 11) EGR 0110 Location: TBA	Lab
0102	Eric Seagren TuTh 11:00am - 11:50am F 1:00pm - 4:00pm	Seats (Total: 11) EGR 0110 Location: TBA	Lab

ENCE420 **Construction Equipment and Methods**

ENCE420 *(PermReq)* **Construction Equipment and Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Senior standing.
Evaluation and selection of equipment and methods for construction of projects, including earthmoving, paving, steel and concrete construction, formwork, trenching, cofferdams, rock excavation, tunneling, site preparation and organization. Design of formwork, trench supports, and cofferdams.

0101	Miroslaw Skibniewski M 3:30pm - 6:05pm	Seats (Total: 42) EGR 1108

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENCE201, ENCE320 or equivalent; and permission of department.
Effective project managers have complete command of their project costs. Reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for project performance measurement, net present value, depreciation, taxes, and earned value analysis.

0101	Qingbin Cui Th 5:00pm - 7:30pm	Seats (Total: 41) EGR 1104

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 *(PermReq)* **Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENCE302, ENCE320 or equivalent; and permission of department. Students will learn the basics of project planning and scope development; developing implementation plans; creating work breakdown structures; scheduling fundamentals and the different methods of scheduling; when to schedule, why network schedules and the network diagram; scheduling calculations and the critical path; managing project risk; and the fundamentals of project control including basic control theory and how to control project cost, schedule and resources. Restricted to students in the College of Engineering.

0101	Kenneth O'Connell	Seats (Total: 50)
	Tu 5:00pm - 7:30pm	CSS 2428

ENCE432 **Ground Water Hydrology**

ENCE432 *(PermReq)* **Ground Water Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE 305 and permission of department. Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced. Restricted to students in the College of Engineering.

0101	Yaron Sternberg	Seats (Total: 35)
	MWF 9:00am - 9:50am	EGR 2154

ENCE441 **Foundation Design**

ENCE441 *(PermReq)* **Foundation Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts. Restricted to students in the College of Engineering.

0101	Mohamed Aggour	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	EGR 1108

ENCE444 **Laboratory Characterization of Geomaterials**

ENCE444 *(PermReq)* **Laboratory Characterization of Geomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Review of major soil tests and their interpretation for engineering purposes. Engineering classification tests (Atterberg limits and grain size distribution), permeability, in-situ and lab density-moisture test, soil strength (CBR, unconfined compression, direct shear test and triaxial) and compressibility characteristics.

0101	Mohamed Aggour	Seats (Total: 15)	
	Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	EGR 3111 EGR 1110	 Lab

ENCE454 **Design of Concrete Structures**

ENCE454 *(PermReq)* **Design of Concrete Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Formerly ENCE451. Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Amde Amde	Seats (Total: 45)
	MWF 11:00am - 11:50am	EGR 1108

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG/AUD. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills. Restricted to students in the College of Engineering.

0101	Eric Seagren	Seats (Total: 35)	
	Tu 3:30pm - 4:45pm	EGR 2154	
	Th 3:30pm - 4:45pm	EGR 0110	Lab

ENCE470 **Highway Engineering**

ENCE470 *(PermReq)* **Highway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation. Restricted to students in the College of Engineering.

0101	Yue Liu	Seats (Total: 30)
	MWF 10:00am - 10:50am	EGR 0108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE601 **Program and Portfolio Management**

ENCE601 Program and Portfolio Management; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE601 or ENCE688F. Formerly ENCE688F. A view of managing projects from an organizational perspective will be presented. The principle areas of discussion will be strategic alignment, marshalling organizational assets through an enterprise project office, portfolio management, and program management. Using a case study approach, students will explore the importance of using organizational strategies to align projects, how to use an enterprise project office as a governance process, and apply practices to create portfolios and programs to leverage organizational assets. Principle topics will include establishing a governance process, project selection techniques, project portfolio methodology, and application of project practices to program management.

0101	Jimmie West F 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Jimmie West F 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Jimmie West F 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
PM01	Jimmie West Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Jimmie West F 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Jimmie West F 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE611 **Finite Element Methods**

ENCE611 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Formerly ENCE661. Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.

0101	Amde Amde MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 2154

ENCE613 **Structural Dynamics**

ENCE613 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Formerly ENCE653. Analysis of the dynamic response of structrues and structural components subjected to impact load, transient load, and ground excitations; study of single degree-of-freedom and multi degree-of-freedom systems in classical closed form solution and approximate numerical solution; solution in the frequency domain and the use of finite element method.

0101	Peter Chang TuTh 5:00pm - 6:15pm	Seats (Total: 30) EGR 2116

ENCE620 **Risk Analysis for Engineering**

ENCE620 Risk Analysis for Engineering; (3 credits) Grade Method: REG/AUD. Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.

0101	Bilal Ayyub MW 5:00pm - 6:15pm	Seats (Total: 30) EGR 2154

ENCE626 **Web-based Project Management**

ENCE626 Web-based Project Management; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENCE662.* The use of IT tools, in particular the Web, is increasingly becoming the primary instrument for conducting the day-to-day tasks of engineering project management. Traditional client-server based technologies and applications can now be replaced by a web-centric, collaborative, electronic workplace. This course examines the use of Internet and Intranet based project management in the context of collaboration, decision making and information exchange, and presents a systematic understanding of the principle issues in Web based tools- ease of use, efficient decision making, and cost effectiveness. The course will use project case histories as part of a team project.

0101	Miroslaw Skibniewski Tu 3:30pm - 6:00pm	Seats (Total: 30) KEB 2107

ENCE627 **Risk Assessment and Decision Analysis for Project Management**

ENCE627 Risk Assessment and Decision Analysis for Project Management; (3 credits) Grade Method: REG.

Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE630 **Environmental and Water Resource Systems I**

ENCE630 Environmental and Water Resource Systems I; (3 credits) Grade Method: REG/AUD.

Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.

0101	Richard McCuen MWF 11:00am - 11:50am	Seats (Total: 20) EGR 1102

ENCE631 **Hydrologic Analysis and Nonpoint Pollution Models**

ENCE631 Hydrologic Analysis and Nonpoint Pollution Models; (3 credits) Grade Method: REG/AUD.
A detailed analysis of the physical processes controlling the spatial distribution of runoff and constituent transport during rainfall and snowmelt events. Emphasis is on developing an understanding of the processes and translating this understanding into practical models that can be used for runoff simulation, stormwater management, and environmental impact assessment.

0101	Kaye Brubaker	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 1104

ENCE637 **Biological Principles of Environmental Engineering**

ENCE637 Biological Principles of Environmental Engineering; (3 credits) Grade Method: REG/AUD.
An examination of biological principles directly affecting man and his environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Oliver Hao	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENCE640 **Advanced Soil Mechanics**

ENCE640 Advanced Soil Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 340 or equivalent. Introduction to the use of elastic theory in stress and displacement solutions to geotechnical engineering (soil and rock mechanics). The effect of soil moisture (at rest) relative to effective stress principles, capillary and frost. Exact and numeric techniques for the analysis for soil seepage under isotropic and anisotropic conditions. Classical settlement (consolidation) and compressiblility theories, including finite difference solution for vertical and radial drainage.

0101	Charles Schwartz	Seats (Total: 30)
	MW 5:00pm - 6:15pm	EGR 0110

ENCE651 **Chemistry of Natural Waters**

ENCE651 Chemistry of Natural Waters; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: ENCE 633 or ENCE 651. Formerly ENCE633.* Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments.

0101	Alba Torrents TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 0108

ENCE661 **Project Cost Accounting and Finance**

ENCE661 Project Cost Accounting and Finance; (3 credits) Grade Method: REG/AUD.

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

0101	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 58) EGR 2103
FS01	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
HG01	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA

HT01	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SG01	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SM01	James Myers **Meets September 3, 2008 - December 12, 2008** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	John Cable M 6:00pm - 8:40pm	Seats (Total: 60) EGR 2103
FS01	John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
HG01	John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

PM01	John Cable **Meets September 1, 2008 - December 8, 2008** Class time/details on ELMs	Seats (Total: 36) ONLINE
	ENCE662 section PM01 is taught online and will run 9/2 - 12/12. Tuition for section PM01 is $750 per credit hour. There is a $40 SPOC administrative fee. Mandatory fees do not apply to this section. Please visit http://www.pm.umd.edu/or e-mail spoc@umd.edu for more information. This course will include a weekly video conference- students can choose either Wednesday at 7am or 6:30pm EST.	
SG01	John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits)
Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

PM01	Mark Groff Class time/details on ELMs	Seats (Total: 35) ONLINE
	ENCE664 section PM01 is taught online and will run 9/2 - 12/12. Tuition for section PM01 is $750 per credit hour. There is a $40 SPOC administrative fee. Mandatory fees do not apply to this section. Please visit http://www.pm.umd.edu/or e-mail spoc@umd.edu for more information. A weekly videoconference will be held Time and Date TBD	

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. For ENCE majors only.* Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

0101	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 35) EGR 2103
FS01	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HG01	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
PM01	Jocelyn Davis Class time/details on ELMs	Seats (Total: 30) ONLINE
	ENCE665 section PM01 is taught online. The course will begin 9/2. Tuition for section PM01 is $750 per credit hour. There is a $40 SPOC administrative fee. Mandatory fees do not apply to this section. Please visit http://www.pm.umd.edu/or e-mail spoc@umd.edu for more information. A weekly videoconference will be held Monday morning at 7:00 am and / Monday evening at 6:00pm	
SG01	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE666 Cost Engineering and Control

ENCE666 Cost Engineering and Control; (3 credits) Grade Method: REG/AUD. Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 30) EGR 2103
FS01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
PM01	Neil Schulman **Meets September 3, 2008 - December 5, 2008** Class time/details on ELMs *ENCE666 section PM01 is taught online and will run 9/2 - 12/12. Tuition for section PM01 is $750 per credit hour. There is a $40 SPOC administrative fee. Mandatory fees do not apply to this section. Please visit http://www.pm.umd.edu/or e-mail spoc@umd.edu for more information. A weekly videoconference will be held Time and Date TBD*	Seats (Total: 30) ONLINE
SG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

PM01	Gregory Baecher	Seats (Total: 40)
	Meets September 3, 2008 - December 5, 2008	
	Class time/details on ELMs	ONLINE
	ENCE666 section PM01 is taught online and will run 9/2 - 12/12. Tuition for section PM01 is $750 per credit hour. There is a $40 SPOC administrative fee. Mandatory fees do not apply to this section. Please visit http://www.pm.umd.edu/or e-mail spoc@umd.edu for more information. A weekly videoconference will be held Time and Date TBD	

ENCE670 **Highway Traffic Characteristics and Measurements**

ENCE670 Highway Traffic Characteristics and Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 470 or permission of instructor. The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.

0101	Gang-Len Chang	Seats (Total: 20)
	W 5:00pm - 7:30pm	EGR 3114

ENCE672 **Regional Transportation Planning**

ENCE672 Regional Transportation Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of instructor. Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld Tu 5:00pm - 7:30pm	Seats (Total: 35) EGR 0108

ENCE677 **OR Models for Transportation Systems Analysis**

ENCE677 OR Models for Transprotation Systems Analysis; (3 credits) Grade Method: REG/AUD.
Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.

0101	Lei Zhang TuTh 3:00pm - 4:15pm	Seats (Total: 20) MTH B0427

ENCE688G **Advanced Topics in Civil Engineering; Survey Methods in Transportation**

ENCE688G Advanced Topics in Civil Engineering: Survey Methods in Transportation; (1-3 credits) Grade Method: REG/AUD.

0101	Cinzia Cirillo W 2:30pm - 5:00pm	Seats (Total: 25) JMP 3216

ENCE688J **Advanced Topics in Civil Engineering; Contemporary Water Resources Management**

ENCE688J Advanced Topics in Civil Engineering: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as ENPP620 and PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway M 5:00pm - 7:35pm	Seats (Total: 20) EGR 1102

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE689A **Seminar; Technical Writing I**

ENCE689A *(PermReq)* **Seminar: Technical Writing I; (1 credit)** Grade Method: REG/AUD.

0101	Elyse Beaulieu Tu 5:00pm - 5:50pm	Seats (Total: 40) EGR 3106

ENCE725 **Probabilistic Optimization in Project Management**

ENCE725 Probabilistic Optimization in Project Management; (3 credits) Grade Method: REG/AUD.
Introduction to optimiztion under uncertainty. Includes: chance-constrained programming, reliability programming, value of information, decomposition methods, nonlinear and linear programming theory, and probability theory.

0101	Steven Gabriel M 3:00pm - 5:35pm	Seats (Total: 30) VMH 1520

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Fall 2008

ENCH215 **Chemical Engineering Analysis**

ENCH215 *(PermReq)* **Chemical Engineering Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM133 or CHEM113. Pre- or corequisite: MATH141. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Ganesh Sriram	Seats (Total: 85)	
	MWF 11:00am - 11:50am	CHE 2110	
	W 2:00pm - 2:50pm	CHE 2108	Discussion

ENCH333 **Chemical Engineering Seminar**

ENCH333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	Francis Schork	Seats (Total: 10)
	W 12:00pm - 12:50pm	CHE 2136

ENCH400 **Chemical Engineering Thermodynamics**

ENCH400 *(PermReq)* **Chemical Engineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and 261 (Formerly: PHYS262), ENCH250 and ENCH300. Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Raymond Adomaitis	Seats (Total: 60)	
	TuTh 9:30am - 10:45am	CHE 2108	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH422 **Transport Processes I**

ENCH422 *(PermReq)* **Transport Processes I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH215 and ENCH250. Pre- or corequisites: MATH241 and MATH246. Principles of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Richard Calabrese	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	CHE 2110	
	F 1:00pm - 1:50pm	CHE 2110	Discussion

ENCH426 **Transport Processes III**

ENCH426 *(PermReq)* **Transport Processes III; (3 credits)** Grade Method: REG.
Prerequisites: ENCH300. Separation by staged operations. Rate dependent separation processes. Design applications in distillation, gas absorption, liquid extraction, drying, adsorption and ion exchange.

0201	William Weigand	Seats (Total: 60)	
	MWF 9:00am - 9:50am	CHE 2108	

ENCH437 **Chemical Engineering Laboratory**

ENCH437 *(PermReq)* **Chemical Engineering Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426; ENCH440; and ENCH442. Application of chemical engineering process and unit operation principles in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results in report form.

0101	Chunsheng Wang	Seats (Total: 21)	
	Th 1:00pm - 5:00pm	CHE 1145	Lab
	Th 11:00am - 12:15pm	CHE 2136	Discussion

0201	Chunsheng Wang Tu 1:00pm - 5:00pm Tu 11:00am - 12:15pm	Seats (Total: 21)	CHE 1145 CHE 2136	Lab Discussion

ENCH444 **Process Engineering Economics and Design I**

ENCH444 *(PermReq)* **Process Engineering Economics and Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426 and ENCH440. Principles of chemical engineering economics and process design. Emphasis on equipment types, equipment design principles, capital cost estimation, operating costs, and profitability.

0101	William Weigand MWF 2:00pm - 2:50pm	Seats (Total: 60)	CHE 2110

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468N **Research; Bionanotechnology**

ENCH468N Research: Bionanotechnology; (3 credits) Grade Method: REG/P-F/AUD.
Basic knowledge of molecular and cell biology/biochemistry desirable (BI OE 120, BSCI 105, BCHM 461 or equivalent)

0101	Srinivasa Raghavan TuTh 5:00pm - 6:15pm	Seats (Total: 25)	CHE 2108

ENCH468O **Research; Cell Motility**

ENCH468O Research: Cell Motility; (3 credits) Grade Method: REG/P-F/AUD. Also offered as BIOE468M and BIOE689M.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)	

ENCH482 **Biochemical Engineering**

ENCH482 *(PermReq)* **Biochemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH440. Introduction to biochemical and microbiological applications to commercial and engineering processes, including industrial fermentation, enzymology, ultrafiltration, food and pharmaceutical processing and resulting waste treatment. Enzyme kinetics, cell growth, energetics and mass transfer.

0101	Nam Sun Wang MWF 10:00am - 10:50am	Seats (Total: 25) CHE 2136

ENCH490 **Introduction to Polymer Science**

ENCH490 *(PermReq)* **Introduction to Polymer Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424 and ENCH440. Also offered as ENMA495. Credit will be granted for only one of the following: ENCH490 or ENMA495. The elements of the chemistry, physics, processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 25) CHE 2136

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Chunsheng Wang Tu 11:00am - 12:15pm	Seats (Total: 35) CHE 2110

ENCH610 **Chemical Engineering Thermodynamics**

ENCH610 Chemical Engineering Thermodynamics; (3 credits) Grade Method: REG/AUD.
Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Jeffery Klauda	Seats (Total: 35)
	MW 4:00pm - 5:15pm	CHE 2136

ENCH620 **Methods of Engineering Analysis**

ENCH620 Methods of Engineering Analysis; (3 credits) Grade Method: REG/AUD. Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 35)
	MW 2:30pm - 3:45pm	CHM 0124

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648B **Special Problems in Chemical Engineering; Advanced Biochemical Engineering**

ENCH648B Special Problems in Chemical Engineering: Advanced Biochemical Engineering; (3 credits) Grade Method: REG.

0101	Nam Sun Wang	Seats (Total: 10)
	Contact instructor or department for details.	

ENCH648N **Special Problems in Chemical Engineering; Bionanotechnology: Physical Principles**

ENCH648N Special Problems in Chemical Engineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689N.

0101	Srinivasa Raghavan	Seats (Total: 25)
	Contact instructor or department for details.	

ENCH648V **Special Problems in Chemical Engineering; Probing Nanoscale Structures Using Neutron Scattering**

ENCH648V Special Problems in Chemical Engineering: Probing Nanoscale Structures Using Neutron Scattering; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH718V and ENMA698V.

0101	Boualem Hammouda	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH B0425

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Fall 2008

ENCO099 **Co-Op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience; (No credit)** Grade Method: S-F.
If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Veronica Perrigan, Laura Davison, Heidi Sauber	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering Fall 2008

ENEE114 **Programming Concepts for Engineering**

ENEE114 *(PermReq)* **Programming Concepts for Engineering; (4 credits)** Grade Method: REG.
Prerequisite: ENES100. For ENEE majors (09090) only. Restricted to students with 60 or less cumulative semester hours. Principles of software development, high level languages, compiling and linking, pseudo-code, input/output, data types and variables, operators and expressions, conditionals and loops, functions, arrays, pointers, structure data types, memory allocation, introduction to algorithms, software projects, debugging, documentation. Programs will use the C language. Official syllabi for all ENEE courses can be found at the following URL:http://www.ece.umd.edu/Academic/Under/uc_idx.html. For additional information on ECE policies and procedures visit the advising website: http://www.ece.umd.edu/Academic/Under/advising.html.

0101	Donald Yeung TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 15) EAB 0307 AVW 2446	Discussion
0102	Donald Yeung TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 15) EAB 0307 AVW 2446	Discussion
0103	Donald Yeung TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 15) EAB 0307 AVW 2446	Discussion

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
For 09090 majors only. Prerequisite: permission of department. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Gang Qu Tu 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 18) EGR 1202 AVW 2446	Discussion
0102	Gang Qu Tu 11:00am - 12:15pm TuTh 1:00pm - 1:50pm	Seats (Total: 18) EGR 1202 AVW 2446	Discussion
0103	Gang Qu Tu 11:00am - 12:15pm TuTh 2:00pm - 2:50pm	Seats (Total: 18) EGR 1202 AVW 2446	Discussion
0104	Gang Qu Tu 11:00am - 12:15pm WF 1:00pm - 1:50pm	Seats (Total: 18) EGR 1202 AVW 1442	Discussion
0105	Gang Qu Tu 11:00am - 12:15pm TuTh 3:00pm - 3:50pm	Seats (Total: 18) EGR 1202 AVW 2446	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
For 09090 majors only. Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 10) AVW 2446 AVW 1442	Discussion
0102	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 10) AVW 2446 AVW 1442	Discussion

ENEE181 **Explore Electronics**

ENEE181 *(PermReq)* **Explore Electronics; (1 credit)** Grade Method: REG. *Prerequisite: permission of department. Corequisite: MATH140.* A highly structured introduction to electronics and circuitry with a hands-on approach to learning. Students will build electronic devices (some of which they can keep) and test them. Among the topics covered are AC and DC circuits, BJTs, op-amps and special projects involving communication and sensing.

0101	Patrick O'Shea Tu 3:00pm - 6:00pm	Seats (Total: 10) AVW 1344	 Lab

ENEE204 **Basic Circuit Theory**

ENEE204 *(PermReq)* **Basic Circuit Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262). Corequisite: MATH246.* Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits. Engineering College only (04).

0101	Romel Gomez TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 15) CSI 1115 EGR 1102	 Discussion
0102	Romel Gomez TuTh 9:30am - 10:45am Th 3:00pm - 3:50pm	Seats (Total: 15) CSI 1115 EGR 1110	 Discussion
0103	Romel Gomez TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 15) CSI 1115 EGR 1110	 Discussion
0104	Romel Gomez TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 15) CSI 1115 EGR 3114	 Discussion

0105	Romel Gomez TuTh 9:30am - 10:45am Th 12:30pm - 1:20pm	Seats (Total: 15) CSI 1115 EGR 3114	Discussion

ENEE206 **Fundamental Electric and Digital Circuit Laboratory**

ENEE206 *(PermReq)* **Fundamental Electric and Digital Circuit Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE244. Corequisite: ENEE204. For ENEE majors 09090 only. Credit will be granted for only one of the following: ENEE206 or ENEE305. Formerly ENEE305. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.) Design, construction, and characterization of circuits containing passive elements, operational amplifiers, and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper level ENEE laboratories.

0101	Julius Goldhar Th 2:00pm - 2:50pm M 12:00pm - 3:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0102	Julius Goldhar Th 2:00pm - 2:50pm Tu 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0103	Julius Goldhar Th 2:00pm - 2:50pm W 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0104	Julius Goldhar Th 2:00pm - 2:50pm W 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0107	Julius Goldhar Th 2:00pm - 2:50pm Tu 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab

ENEE241 **Numerical Techniques in Engineering**

ENEE241 *(PermReq)* **Numerical Techniques in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH141; and {ENEE114 or CMSC106 or equivalent} Restricted to Engineering, Math and Physics majors only. Also offered as MATH 242. Credit will be granted for only one of the following: ENES240 or ENEE241 or MATH242. Formerly ENES240. Introduction to error analysis, conditioning and stability of algorithms. Numerical solution of nonlinear equations. Vector spaces and linear transformations. Matrix algebra. Gaussian elimination. LU factorization, matrix inversion. Similarity transformations and diagonalization. Iterative computation of eigenvalues. Interpolation; splines; data fitting. Numerical integration.

0101	Adrianos Papamarcou MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEB 1110 AVW 1442	Discussion
0102	Adrianos Papamarcou MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEB 1110 AVW 1442	Discussion
0103	Adrianos Papamarcou MWF 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEB 1110 AVW 1442	Discussion
0201	Andre Tits TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 20) JMP 3201 AVW 1442	Discussion
0202	Andre Tits TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 20) JMP 3201 AVW 1442	Discussion
0203	Andre Tits TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 20) JMP 3201 AVW 1442	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG.
For 09090 or 09991 majors only. Sophomore standing and permission of department.
The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only (04).

0101	Charles Silio TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 15) KEB 1110 EGR 3111	Discussion
0102	Charles Silio TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 15) KEB 1110 EGR 3102	Discussion
0103	Charles Silio TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 15) KEB 1110 EGR 2116	Discussion
0104	Charles Silio TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 15) KEB 1110 EGR 3114	Discussion
0201	Peter Petrov MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 15) KEB 1110 EGR 0110	Discussion
0202	Peter Petrov MWF 10:00am - 10:50am Tu 3:30pm - 4:20pm	Seats (Total: 15) KEB 1110 EGR 3111	Discussion
0203	Peter Petrov MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 15) KEB 1110 CHE 2116	Discussion
0205	Peter Petrov MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 15) KEB 1110 EGR 0110	Discussion

ENEE303 **Analog and Digital Electronics**

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE307. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Robert Newcomb TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 28) CSI 3117 MTH 0302	Discussion
0102	Robert Newcomb TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 28) CSI 3117 MTH 0102	Discussion
0201	Manoj Franklin MWF 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 28) EGR 2107 EGR 3102	Discussion
0202	Manoj Franklin MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 28) EGR 2107 EGR 1102	Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE303. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 lectures.

0101	Martin Peckerar W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0102	Martin Peckerar W 9:00am - 9:50am M 8:00am - 11:00am	Seats (Total: 4) CSI 1115 AVW 1330	 Lab
0103	Martin Peckerar W 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0104	Martin Peckerar W 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0105	Martin Peckerar W 9:00am - 9:50am W 10:00am - 1:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0106	Martin Peckerar W 9:00am - 9:50am F 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0107	Martin Peckerar W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0108	Martin Peckerar W 9:00am - 9:50am F 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0109	Martin Peckerar W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of "C" (2.0) or higher in ENEE204 and all other 200-level courses. For ENEE and ENCP majors only and permission of department. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Zeynep Dilli TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 18) JMP 3201 EGR 1104	 Discussion
0102	Zeynep Dilli TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 18) JMP 3201 EGR 1102	 Discussion
0103	Zeynep Dilli TuTh 3:30pm - 4:45pm Th 8:00am - 8:50am	Seats (Total: 18) JMP 3201 EGR 1102	 Discussion

ENEE313H **Introduction to Device Physics**

ENEE313H *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of "C" (2.0) or higher in ENEE204 and all other 200-level courses. For ENEE and ENCP majors only and permission of department. Credit will be granted for only one of the following: ENEE312 or ENEE313.

0101	Timothy Horiuchi TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 15) EGR 3114 EGR 3111	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and MATH246 and completion of all lower-division technical courses in the curriculum. See above note. For ENEE majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. ENEE majors (09090) only.

0101	Gilmer Blankenship TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 18) EGR 2107 EGR 2116	Discussion
0102	Gilmer Blankenship TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 18) EGR 2107 EGL 1202	Discussion
0103	Gilmer Blankenship TuTh 9:30am - 10:45am Tu 3:30pm - 4:20pm	Seats (Total: 18) EGR 2107 EGR 1110	Discussion
0201	Nuno Martins MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 18) KEB 1110 EGR 3102	Discussion
0202	Nuno Martins MWF 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 18) KEB 1110 EGR 2154	Discussion
0203	Nuno Martins MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 18) KEB 1110 EGR 3111	Discussion

ENEE322H **Signal and System Theory**

ENEE322H *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and MATH246 and completion of all lower-division technical courses in the curriculum. See above note. For ENEE majors only.* This course is for ENEE Honors students only.

0101	Eyad Abed TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 20) CSI 2118 EGR 0108	Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Shihab Shamma TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 20) PLS 1130 EGR 0108	 Discussion
0102	Shihab Shamma TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 20) PLS 1130 EGR 0108	 Discussion
0201	Adrianos Papamarcou MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 20) ANS 0412 EGR 3106	 Discussion
0202	Adrianos Papamarcou MWF 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) ANS 0412 EGR 3106	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: ENEE244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Electrical Engineering and Computer Engineering majors may not substitute CMSC 311 for ENEE350. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only

0101	Yavuz Oruc TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 18) KEB 1110 EGR 3111	 Discussion
0102	Yavuz Oruc TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 18) KEB 1110 CSI 2118	 Discussion
0103	Yavuz Oruc TuTh 9:30am - 10:45am Tu 2:00pm - 2:50pm	Seats (Total: 18) KEB 1110 EGR 2116	 Discussion
0201	Ankur Srivastava MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 18) CHE 2110 EGR 2116	 Discussion
0202	Ankur Srivastava MWF 12:00pm - 12:50pm W 3:00pm - 3:50pm	Seats (Total: 18) CHE 2110 EGR 0108	 Discussion
0203	Ankur Srivastava MWF 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 18) CHE 2110 EGR 3111	 Discussion

ENEE350H **Computer Organization**

ENEE350H *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: ENEE244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Electrical Engineering and Computer Engineering majors may not substitute CMSC 311 for ENEE350. Not open to students who have completed ENEE250. Formerly ENEE250.* For general honors students only.

0101	Manoj Franklin MW 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 15) EGR 1110 CHM 0122	 Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. See above note.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Leonard Taylor MWF 10:00am - 10:50am W 8:00am - 8:50am	Seats (Total: 18) ANS 0408 EGR 1102	 Discussion
0102	Leonard Taylor MWF 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 18) ANS 0408 EGR 3114	 Discussion
0201	Mario Dagenais TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 18) EGR 3106 EGL 1202	 Discussion
0202	Mario Dagenais TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	Seats (Total: 18) EGR 3106 CHM 0124	 Discussion

ENEE380H **Electromagnetic Theory**

ENEE380H *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG.
Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. See above note.

0101	Edo Waks	Seats (Total: 15)	
	MWF 10:00am - 10:50am	EGR 3114	
	Tu 8:00am - 8:50am	EGR 0108	Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. See above note. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas. ENEE majors only (09090).

0201	Julius Goldhar	Seats (Total: 22)	
	TuTh 12:30pm - 1:45pm	CSI 1115	
	M 2:00pm - 2:50pm	EGR 1102	Discussion
0202	Julius Goldhar	Seats (Total: 22)	
	TuTh 12:30pm - 1:45pm	CSI 1115	
	F 2:00pm - 2:50pm	JMP 1109	Discussion

ENEE408A **Capstone Design Project; Microprocessor-Based Design**

ENEE408A *(PermReq)* **Capstone Design Project: Microprocessor-Based Design; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP students. Prerequisite: ENEE 440. Click here for more ENEE course information.

0101	William Hawkins	Seats (Total: 12)	
	Th 8:00am - 9:15am	AVW 2446	
	TBA	AVW 1454	Lab

ENEE408E **Capstone Design Project; Optical System Design**

ENEE408E *(PermReq)* **Capstone Design Project: Optical System Design; (3 credits)** Grade Method: REG.
Prerequisite: ENEE 380. Co-requisite: ENEE381 (Capstone design for EE majors only). Click here for more ENEE course information.

0101	Christopher Davis TuTh 11:00am - 12:15pm	Seats (Total: 40) KEB 1110	

ENEE408I **Capstone Design Project; Controls**

ENEE408I *(PermReq)* **Capstone Design Project: Controls; (3 credits)** Grade Method: REG.
Prerequisites: ENEE114, ENEE322, and modest experience with C programming. Click here for more course information.

0101	Gilmer Blankenship Tu 11:00am - 11:50am Tu 12:00pm - 3:00pm	Seats (Total: 12) EGR 2116 KEB 3209	 Lab
0102	Gilmer Blankenship Tu 11:00am - 11:50am Th 12:00pm - 3:00pm	Seats (Total: 12) EGR 2116 KEB 3209	 Lab

ENEE408J **Capstone Design Project; Filter Designs**

ENEE408J *(PermReq)* **Capstone Design Project: Filter Designs; (3 credits)** Grade Method: REG.
Prerequisites: ENEE303, ENEE322 and ENEE380. Click here for more ENEE course information.

0101	Ping-Tong Ho TuTh 11:00am - 12:15pm	Seats (Total: 20) KEB 2107	

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. For 09090 and 09991 majors only. Not open to students who have completed ENEE419J. Formerly ENEE419J. Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Agisilaos Iliadis Tu 2:00pm - 3:15pm Th 1:00pm - 4:00pm	Seats (Total: 5) EGR 1110 KEB 2300	 Lab
0102	Agisilaos Iliadis Tu 2:00pm - 3:15pm M 9:00am - 12:00pm	Seats (Total: 5) EGR 1110 KEB 2300	 Lab
0103	Agisilaos Iliadis Tu 2:00pm - 3:15pm M 1:00pm - 4:00pm	Seats (Total: 5) EGR 1110 KEB 2300	 Lab
0104	Agisilaos Iliadis Tu 2:00pm - 3:15pm W 10:00am - 1:00pm	Seats (Total: 5) EGR 1110 KEB 2300	 Lab
0105	Agisilaos Iliadis Tu 2:00pm - 3:15pm F 9:00am - 12:00pm	Seats (Total: 5) EGR 1110 KEB 2300	 Lab

ENEE419A **Topics in Microelectronics; Analog and Digital Electronics II**

ENEE419A *(PermReq)* **Topics in Microelectronics: Analog and Digital Electronics II; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP majors. Prerequisite: ENEE303. Click here for more ENEE course information.

0101	Pamela Abshire TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 3114	

ENEE419W **Topics in Microelectronics; Advanced Operational Amplifier Laboratory**

ENEE419W *(PermReq)* **Topics in Microelectronics: Advanced Operational Amplifier Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: ENEE206 and ENEE307. Click here for more ENEE course information.

0101	Wesley Lawson WF 9:00am - 9:50am M 9:00am - 12:00pm	Seats (Total: 12) EGR 2116 AVW 1334	 Lab
0102	Wesley Lawson WF 9:00am - 9:50am W 10:00am - 1:00pm	Seats (Total: 12) EGR 2116 AVW 1334	 Lab

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. See above note. Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Armand Makowski TuTh 2:00pm - 3:15pm	Seats (Total: 30) CSI 3118

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note. Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Sheldon Wolk MW 3:30pm - 4:45pm	Seats (Total: 45) CSI 2117	

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. See above note.* The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols.

0101	Richard La MW 10:00am - 11:15am	Seats (Total: 35) EGR 2154	

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Steven Tretter W 1:00pm - 1:50pm F 9:00am - 12:00pm	Seats (Total: 12) EGR 3102 AVW 1450	 Lab
0102	Steven Tretter W 1:00pm - 1:50pm F 1:00pm - 4:00pm	Seats (Total: 12) EGR 3102 AVW 1450	 Lab

ENEE435 **Introduction to Electrical Processes, Structure and Computing Models of the Brain**

ENEE435 *(PermReq)* **Introduction to Electrical Processes, Structure and Computing Models of the Brain; (3 credits)** Grade Method: REG.
Prerequisite: ENEE204 and completion of all lower-division technical courses in the EE curriculum. Concepts, theoretical and experimental probing methods and models for understanding the human brain structures and functions from an engineering viewpoint. Bioelectric phenomena of cells and electrical circuit functional models. Neurons as signal generators, decision elements, and information transmission and processing devices. Basic neural circuits and models. Experimental techniques, signal recording and analysis. Brain architecture-communication, control and information processing structures and functions. Memory, associations learning and higher brain functions. Computer simulations and computational models. Overview of brain-inspired intelligent machine approaches and systems.

0101	Nicholas De Claris	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	CSI 2120	
	Tu 5:00pm - 5:50pm	CSI 2120	Discussion

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors only (09090).

0101	William Hawkins	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	EGR 0135

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note. Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Yavuz Oruc	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	JMP 1109

ENEE459A **Topics in Computer Engineering; CAD Tools for Microprocessor Design**

ENEE459A *(PermReq)* **Topics in Computer Engineering: CAD Tools for Microprocessor Design; (1 credit)** Grade Method: REG.
Prerequisite: ENEE244. Click here for more ENEE course information.

0101	William Hawkins	Seats (Total: 15)
	Tu 8:25am - 9:15am	AVW 2446

ENEE459R **Topics in Computer Engineering; Compilers**

ENEE459R *(PermReq)* **Topics in Computer Engineering: Compilers; (3 credits)** Grade Method: REG.
Click here for more ENEE course information.

0101	Rajeev Barua	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CHE 2136

ENEE460 **Control Systems**

ENEE460 *(PermReq)* **Control Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See note above. For ENEE majors only. Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems. ENEE majors (09090) only.

0101	Monther Hasouneh	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 0108

ENEE474 **Power Systems**

ENEE474 *(PermReq)* **Power Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and completion of all lower-division technical in the EE curriculum. See above note. Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	Isaak Mayergoyz	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	CSI 2120	

ENEE480 **Fundamentals of Solid State Electronics**

ENEE480 *(PermReq)* **Fundamentals of Solid State Electronics; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. See above note. Crystal structure and materials preparation; carrier transport; elementary quantum mechanics applied to solids; band structure of metals, insulators, and semiconductors; field effect transistors; PN junctions; bipolar transistors; fabrication of devices. ENEE majors (09090) only.

0101	Martin Peckerar	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	EGR 0135	

ENEE486 **Optoelectronics Lab**

ENEE486 *(PermReq)* **Optoelectronics Lab; (2 credits)** Grade Method: REG.
Prerequisite: ENEE206 and (PHYS270 and 271 {Formerly: PHYS263}) and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics. ENEE majors (09090) only.

0101	Mario Dagenais	Seats (Total: 12)	
	Tu 1:00pm - 1:50pm	EGR 1110	
	Tu 2:00pm - 5:00pm	AVW 1362	Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

3201	Uzi Vishkin Contact instructor or department for details.	Seats (Total: 5)
7001	Wesley Lawson Contact instructor or department for details.	Seats (Total: 5)

ENEE490 **Physical Principles of Wireless Communications**

ENEE490 *(PermReq)* **Physical Principles of Wireless Communications; (3 credits)** Grade Method: REG.
Prerequisite: ENEE381 Restricted to ENEE and ENCP students. Not open to students who have completed ENEE498B. Credit will be granted for only one of the following: ENEE490 or ENEE498B. Formerly ENEE498B.

0101	Victor Granatstein TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEB 1110

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

ENEE499R *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergradute Teaching Experience**
Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

ENEE600 Solid State Electronics; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 480; background in elementary quantum mechanics. Credit will be granted for only one of the following: ENEE 600 or ENEE 793. Formerly ENEE793. Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	John Melngailis	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	EGR 0108

ENEE605 **Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS)**

ENEE605 Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS); (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 312 or equivalent. Credit will be granted for only one of the following: ENEE 605 or ENEE 719R. Formerly ENEE719R. The goals are to explore the world of Micro-Electro-Mechanical Systems (MEMS) by understanding its design and fabrication aspects.

0101	Reza Ghodssi	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMP 1109

ENEE610 **Electrical Network Theory**

ENEE610 Electrical Network Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate circuit theory or permission of instructor. Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.

0101	Robert Newcomb MW 11:00am - 12:15pm	Seats (Total: 50) EGR 0108	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Mark Shayman MW 5:00pm - 6:15pm F 11:00am - 11:50am	Seats (Total: 30) CSI 2117 CSI 2118	 Discussion
0102	Mark Shayman MW 5:00pm - 6:15pm Th 5:00pm - 5:50pm	Seats (Total: 30) CSI 2117 CSI 3118	 Discussion

ENEE623 **Digital Communications**

ENEE623 Digital Communications; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 620 and ENEE 420 or equivalents, or permission of instructor. Review of sampling and quantization, functional characterization of digital signals and transmission facilities, band-limited signals and systems. Digital modulation/demodulation techniques, error probability, intersymbol interference and its effects, adaptive equalization. Signaling with coded waveforms, fading and satellite channels, multiple access problems and protocols. Introduction to spread-spectrum Communications.

0101	Prakash Narayan	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 3120

ENEE626 **Error Correcting Codes**

ENEE626 Error Correcting Codes; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 420 or equivalent. Credit will be granted for only one of the following: ENEE 626 or ENEE 722. Formerly ENEE722. Introduction to linear codes; bounds on the error correction capabilities of codes; convolutional codes with threshold, sequential and viterbi decoding; cyclic random error correcting codes; P-N sequences; cyclic and convolutional burst error correcting codes.

0101	Alexander Barg	Seats (Total: 32)
	TuTh 3:30pm - 4:45pm	CSI 2118

ENEE630 **Advanced Digital Signal Processing**

ENEE630 Advanced Digital Signal Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 425. Corequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 624 or ENEE 630. Formerly ENEE624. This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	KJ Ray Liu	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEB 1110

ENEE641 **Mathematical Foundations for Computer Engineering**

ENEE641 Mathematical Foundations for Computer Engineering; (3 credits)
Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENEE 641 or ENEE 759F. Formerly ENEE759F. Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Joseph JaJa	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	CSI 3117

ENEE646 **Digital Computer Design**

ENEE646 Digital Computer Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 446 or equivalent knowledge of basic computer design, as well as experience in assembly language programming for at least one instruction set architecture and basic probability theory. Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Bruce Jacob	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 2118

ENEE660 **System Theory**

ENEE660 System Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE460 or equivalent; MATH463 or equivalent; or permission of instructor. Also offered as MAPL460. Credit will be granted for only one of the following: ENEE660, ENEE663, or MAPL640. Formerly ENEE663. General systems models. State variables and state spaces. Differential dynamical systems. Discrete time systems. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Inverse nyquist array. Geometric methods in design. Interplay between frequency domain and state space design methods. Interactive computer-aided design methods.

0101	John Baras	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 2116

ENEE680 **Electromagnetic Theory I**

ENEE680 Electromagnetic Theory I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 381 or equivalent. Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

0101	Ping-Tong Ho	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	CHE 2108

ENEE690 **Quantum and Wave Phenomena with Electrical Application**

ENEE690 Quantum and Wave Phenomena with Electrical Application; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 381 and ENEE 382 or equivalent. Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analagous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.

0101	Howard Milchberg	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	EGR 1104

ENEE698A **Graduate Seminar; Communications**

ENEE698A Graduate Seminar: Communications; (1 credit) Grade Method: REG/AUD.
ENEE students only. Click here for more course information.

0101	Ramalingam Chellappa, Min Wu	Seats (Total: 30)
	Tu 12:30pm - 1:20pm	AVW 2120

ENEE698B **Graduate Seminar; Computers Engineering**

ENEE698B Graduate Seminar: Computers Engineering; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Kazuo Nakajima	Seats (Total: 30)
	Tu 5:00pm - 6:00pm	AVW 2328

ENEE698C **Graduate Seminar; Controls**

ENEE698C *(PermReq)* **Graduate Seminar: Controls; (1 credit)** Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Perinkulam Krishnaprasad	Seats (Total: 28)
	M 5:30pm - 6:20pm	AVW 2168

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1-3 credits) Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Robert Newcomb	Seats (Total: 35)
	Th 4:00pm - 5:00pm	AVW 2328

ENEE698T **Graduate Seminar; Technology Law**

ENEE698T Graduate Seminar: Technology Law; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Michael Oblon	Seats (Total: 35)
	Th 5:00pm - 7:00pm	CSI 3117

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE704 **Physics and Simulation of Semiconductor Devices**

ENEE704 Physics and Simulation of Semiconductor Devices; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 600; ENEE 601 and exposure to quantum mechanics. Credit will be granted for only one of the following: ENEE 694 and ENEE 704. Formerly ENEE694. The physics of electron transport in semiconductor devices will be covered. Numerical methods for attaining solutions to transport equations will be explored. Students will also learn how to use CAD tools fro semiconductor device design. Nano-electronic devices will be introduced.

0101	Neil Goldsman	Seats (Total: 30)
	MW 2:00pm - 3:15pm	CSI 3120

ENEE723 **Wireless Communication Networks**

ENEE723 Wireless Communication Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620 and ENEE 625; or equivalent. Reviews the fundamental characteristics of wireless networks by focusing on the wireless link, on the media access control, and on interference issues. It reviews the cellular architecture model with emphasis on bandwidth reuse, power control, handoffs, and mobility tracking. It then considers wireless local area networks with focus on routing/multicasting and on capacity notions. It also considers the principles of layer integration and energy efficiency and it reviews the special cases of sensor networks and satellite systems.

0101	Anthony Ephremides	Seats (Total: 35)
	MW 3:30pm - 4:45pm	CSI 2118

ENEE725 **Advanced Networking**

ENEE725 Advanced Networking; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 625 or equivalent.* This is a second-year graduate course in networking. The objective of the course is to teach the current and new protocols and techniques for modeling a network.

0101	Armand Makowski	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	CSI 2118

ENEE731 **Image Understanding**

ENEE731 Image Understanding; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 631 and ENEE 633. Credit will be granted for only one of the following: ENEE 739J or ENEE 731. Formerly ENEE739J.* An advanced graduate level course on image understanding. Mathematical and statistical approaches to solving image understanding problems will be discussed. Topics to be covered include: optimal edge and shape detection; image understanding using Markov random field models; Monte Carlo Markov Chain techniques for image understanding; shape from shading, stereo, texture and contour; structure from motion and object recognition. Existence, uniqueness and convergence issues for many of these problems will be discussed.

0101	Ramalingam Chellappa	Seats (Total: 40)
	MW 9:30am - 10:45am	CSI 1121

ENEE750 **VLSI Design Automation**

ENEE750 VLSI Design Automation; (3 credits) Grade Method: REG/AUD. *Prerequisites: ENEE 640; and permission of instructor.* Design process of VLSI circuits and systems; Computer-Aided Design (CAD) tools; system partitioning, floorplanning, placement, global and detailed routing; Field Programmable Gate Arrays (FPGAs), Multi-Chip Modules (MCMs), Printed Circuit Boards (PCBs), possible chip fabrication by MOSIS and subsequent chip testing.

0101	Kazuo Nakajima MW 3:30pm - 4:45pm	Seats (Total: 25) CSI 1122

ENEE756 **Computer Networks**

ENEE756 Computer Networks; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 324 or equivalent; and ENEE 646. ISO open systems reference model, protocol layers, TCP/IP, channel coding, data communication concepts, local area network (LAN) topologies and transmission media, queueing theory applied to LAN performance modeling, LAN access techniques, network interconnection, network reliability, network security, performance analysis of ring and bus topology networks, reliability of fiber optic ring networks.

0101	Charles Silio TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 2118

ENEE762 **Stochastic Control**

ENEE762 Stochastic Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 or equivalent; and ENEE660 or equivalent. Also offered as MAPL 742. Stochastic control systems, numerical methods for the Ricatti equation, the separation principle, control of linear systems with Gaussian signals and quadratic cost, non-linear stochastic control, stochastic stability, introduction to stochastic games.

0101	Steven Marcus TuTh 12:30pm - 1:45pm	Seats (Total: 28) CHE 2145

ENEE769E **Advanced Topics in Controls; Game Theory: Dynamic and Evolutionary**

ENEE769E Advanced Topics in Controls: Game Theory: Dynamic and Evolutionary; (3 credits) Grade Method: REG/AUD.

0101	Perinkulam Krishnaprasad MW 9:30am - 10:45am	Seats (Total: 30) CSI 3118

ENEE780 **Microwave Engineering**

ENEE780 Microwave Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 681.* Mathematical methods for the solution of the wave equation, transmission lines and waveguides, selected topics in the theory of waveguide structures, surface guides and artificial dielectrics.

0101	Kristine Rosfjord	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 3106

ENEE791 **Quantum Electronics II**

ENEE791 Quantum Electronics II; (3 credits) Grade Method: REG/AUD. Nonlinear optical effects and devices, tunable coherent light sources: optical parametric oscillator; frequency conversion and dye laser. Ultrashort pulse generation and measurement, stimulated raman effect, and applications. Interaction of acoustic and optical waves, and holography.

0101	Thomas Murphy	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 0108

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Fall 2008

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Christopher Cadou MW 8:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0201	Wesley Lawson TuTh 8:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0301	George Syrmos MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202
0302	Sheryl Ehrman MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 44) JMP 1116 EGR 1202
0401	John Cumings TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202
0402	Peter Kofinas TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 44) JMP 1116 EGR 1202
0501	Isabel Lloyd MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1215 EGR 1202

0502	Kevin Calabro MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202	
0601	Bruce Jacob TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202	
0701	David Lovell MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1215 EGR 1202	
0702	Peter Sunderland MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202	
0801	Evandro Valente TuTh 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202	

ENES102 **Statics**

ENES102 *(PermReq)* **Statics; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 50) CHM 0128 CHM 0128	 Discussion
0104	Deborah Goodings MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 56) CHM 0115 CHM 0115	 Discussion

ENES102H **Statics**

ENES102H *(PermReq)* **Statics; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: MATH140. For engineering majors only. Formerly ENES110.

0101	Kevin Calabro TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) CHM 1228 EGR 0135	 Discussion
0102	Gary Pertmer TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 40) JMP 3216 JMP 2202	 Discussion

ENES115 **Women in Engineering: Living and Learning Community Seminar I**

ENES115 *(PermReq)* **Women in Engineering: Living and Learning Community Seminar I; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Admittance to the Women in Engineering Living & Learning Community. The seminar focuses on personal and professional development related to the field of engineering with a strong emphais on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Paige Smith Th 5:00pm - 6:30pm	Seats (Total: 20) LPA 1125	

ENES160 **Inventis Colloquium**

ENES160 Inventis Colloquium; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to Students in the Inventis Program. A colloquium on a variety of engineering topics. Attendance at various additional activities and events is required.

0101	Rachel Rose W 5:00pm - 6:15pm	Seats (Total: 60) EGR 1202	

ENES182 **Engineering the Future**

ENES182 Engineering the Future; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the challenges facing society where the fields of engineering and science are being asked to provide the technologies underlying the proposed solutions including nanotechnology, sustainable energy, transportation, biotechnology, climate change, novel material and environmental impact. Also covered will be an understanding of how the different fields of engineering will play a role in solving these challenges.

0101	Gary Rubloff	Seats (Total: 100)	
	W 4:00pm - 4:50pm	KEB 1110	

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG.
Prerequisite: permission of college. Also offered as BMGT190. Credit will be granted for only one of the following: BMGT190 or ENES190. First course in a sequence of four Total Quality Program Courses. For total Quality Program participants only. Also offered as ENES190H.

0101	Jose Suarez	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	VMH 1528	
	W 7:00pm - 8:50pm	VMH 1303	Discussion
0102	Jose Suarez	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	VMH 1528	
	W 7:00pm - 8:50pm	VMH 1307	Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Freshman standing. This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

FC01	James Green MW 4:30pm - 5:45pm	Seats (Total: 61) SCC 2121	
	This section is only open to students in Freshmen Connection.		

ENES215 **WIE LLC Sophomore Seminar I**

ENES215 WIE LLC Sophomore Seminar I; (1 credit) Grade Method: REG. The main components of the course include: 1) workshops to cultivate leadership skills, 2) workshops for networking with women in leadership roles and careers in engineering, 3) applied experiences to develop self confidence resulting in a cumulative end of semester project and 4) opportunities for outreach and service-learning with current outreach programs taking place in the Clark School of Engineering.

0101	Paige Smith Th 3:30pm - 4:45pm	Seats (Total: 20) LPA 1125	

ENES220 **Mechanics of Materials**

ENES220 *(PermReq)* **Mechanics of Materials; (3 credits)** Grade Method: REG/AUD. *Prerequisites: ENES102; and MATH141; and PHYS161. For engineering majors only (not including ENEE majors).* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab. Prerequisite: student in the College of Engineering.

0101	Yunfeng Zhang MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 40) EGR 3106 CHM 0119	 Discussion
0102	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 49) EGR 0110 EGR 0110	 Discussion
0103	William Fourney MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) EGR 3106 EGR 3106	 Discussion

0104	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) PHY 1402 EGR 1104	Discussion
0201	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 45) EGR 1108 EGR 1104	Discussion
0301	Robert Bonenberger MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 46) EGR 0110 CHM 0128	Discussion
0401	Mary Bowden MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 45) PHY 4220 EGR 1108	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENES102 or ENES110; and MATH141; and PHYS161.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Kenneth Kiger MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 51) TYD 0102 TYD 2109	Discussion
0102	Peter Sandborn MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) EGR 1108 CHE 2118	Discussion
0103	Chandrasekhar Thamire MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 40) EGR 1104 JMP 3216	Discussion
0104	Kenneth Kiger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) CHM 1224 CHM 2201	Discussion

ENES270 **Inventis-Professional Skills in Engineering**

ENES270 Inventis-Professional Skills in Engineering; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to students in the Inventis program. Prerequisite: ENES170. Engineering professional skills course focusing on team building, communication skills, technical writing, technology management, and intellectual property and standards.

0101	Rachel Rose, Michael Doyle Tu 5:00pm - 5:50pm	Seats (Total: 50) EGR 1202

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H for QUEST students. There is no prerequisite for Non-QUEST students. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, or ENES390.

0101	Jose Suarez TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1528

ENES424 **Engineering Leadership Capstone**

ENES424 Engineering Leadership Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES317, ENES320, ENES472 and permission of department. Recommended: ENES100 or equivalent. The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts.

0101	Jocelyn Davis Th 10:00am - 12:30pm	Seats (Total: 28) CHE 2145

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 Science, Technology and Society: Certificate Program Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STS certificate students or permission of department. Credit will be granted for only one of the following: ENES440 or UNIV401. Formerly UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BUSI758T. Formerly ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts. Click here for additional information.

0101	James Green Th 3:30pm - 6:30pm *This section is restricted to students in the Hinman CEO program.*	Seats (Total: 55) SCC 2121
0201	James Chung, Dean Chang M 2:00pm - 4:40pm	Seats (Total: 25) TAP 1103
0301	Karen Thornton F 12:00pm - 2:50pm *This section is restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 55) JMP 1202

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as SLLC472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01) or in engineering leadership development (#EN04). All other students can be placed on a hold file.

0101	Caine Francis	Seats (Total: 30)
	W 2:00pm - 4:30pm	PLS 1119

ENES478 **Topics in Engineering Education**

ENES478 *(PermReq)* **Topics in Engineering Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Rachel Rose	Seats (Total: 16)
	Th 4:30pm - 6:00pm	Location: TBA

ENES480 **Engineering Honors Seminar I**

ENES480 Engineering Honors Seminar I; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0101	Richard McCuen	Seats (Total: 20)
	W 12:00pm - 12:50pm	EGR 2154

ENES489B **Special Topics in Engineering**

ENES489B Special Topics in Engineering; (3-6 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENES460, MS or MBA status, or permission of instructor. In order to obtain permission to register for this course, all students need to contact jvgreen@umd.edu.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 12)

ENES490H **Quest Consulting and Innovation Practicum**

ENES490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT390 or ENES390. Also offered as BMGT490. Credit will be granted for only one of the following: BMGT490 or ENES490. Fourth course in a sequence of four Total Quality Program Courses. For total Quality Program participants only.

0101	Jose Suarez, David Ashley TuTh 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 80) VMH 1212

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
This case study-based course will explore technology entrepreneurship with a focus on leadership, product design and development, and strategies to launch and manage technology ventures. Students will learn the skills to launch and grow a venture through analysis of real-life technology ventures cases. Click here for additional information.

0101	James Green Th 5:00pm - 7:40pm *This section is restricted to students in the Hinman CEO program.*	Seats (Total: 100) SCC 2121
0301	Daniel Raviv, Karen Thornton F 12:00pm - 2:50pm *This section is restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 30) JMP 3202

ENES602 **Future Faculty Program Seminar II**

ENES602 *(PermReq)* **Future Faculty Program Seminar II; (1 credit)** Grade Method: REG/AUD.
Open only to students in the Clark School Future Faculty Program. Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students. This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Steven Marcus Tu 5:00pm - 6:30pm	Seats (Total: 25) CHE 2118

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 *(PermReq)* **Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.
Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Mark Shayman Contact instructor or department for details.	Seats (Total: 10)

ENFP Engineering, Fire Protection Fall 2008

ENFP108 **Hot Topics in Fire Protection Engineering**

ENFP108 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Milke Tu 3:30pm - 4:45pm	Seats (Total: 20) JMP 3216
0201	James Milke Tu 3:30pm - 4:45pm	Seats (Total: 20) ANS 0408

ENFP250 **Introduction to Life Safety Analysis**

ENFP250 Introduction to Life Safety Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENFP421 or ENFP250. Formerly ENFP251. Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.

0101	Frederick Mowrer TuTh 9:30am - 10:45am	Seats (Total: 60) PLS 1140	

ENFP300 **Fire Protection Fluid Mechanics**

ENFP300 *(PermReq)* **Fire Protection Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and (PHYS260 and PHYS261 {Formerly: PHYS262}). Basic principles of fluid flow. Properties of a fluid, velocity field, flow patterns. Pressure distribution in a fluid. Hydrostatic and hydrodynamic problems. Integral relations for control volumes. Differential relations, dimensional analysis and similarity. Internal and external flow problems associated with fire protection systems and fire scenarios.

0101	Marino diMarzo TuTh 11:00am - 12:15pm	Seats (Total: 40) JMP 3216	

ENFP320 **Fire Assessment Methods and Laboratory**

ENFP320 Fire Assessment Methods and Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
For ENFP majors only. Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	Andre Marshall MWF 10:00am - 10:50am M 2:00pm - 4:15pm	Seats (Total: 21) JMP 3216 JMP 3229	 Lab
0102	Andre Marshall MWF 10:00am - 10:50am M 4:15pm - 6:30pm	Seats (Total: 20) JMP 3216 JMP 3229	 Lab

ENFP411 **Fire Risk Assessment**

ENFP411 *(PermReq)* **Fire Risk Assessment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENFP250, ENFP255 and permission of department. Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy, and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

0101	Frederick Mowrer	Seats (Total: 35)
	MW 5:00pm - 6:20pm	JMP 3216

ENFP415 **Fire Dynamics**

ENFP415 *(PermReq)* **Fire Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENFP300 or ENME331; and ENME320; and ENFP312 or permission of department. Introduction to premixed and diffusion flames; ignition, flame spread and rate of burning; fire plumes; flame radiation.

0101	James Quintiere	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP416 **Problem Synthesis and Design**

ENFP416 *(PermReq)* **Problem Synthesis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Senior standing. Techniques and procedures of problem orientation and solution design utilizing logical and numerical procedures. Student development of research projects in selected areas. Pre-requisite: permission of instructor.

0101	James Quintiere	Seats (Total: 30)
	Th 3:30pm - 6:00pm	JMP 3216

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP613 **Human Response to Fire**
Contact department for information to register for this course.

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1-3 credits)** Grade Method: REG/AUD.

0101	Marino diMarzo	Seats (Total: 5)
	Contact instructor or department for details.	

ENFP622 **Advanced Fire Protection Risk Assessment**

ENFP622 *(PermReq)* **Advanced Fire Protection Risk Assessment; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Definition, evaluation of the fire risk to a process, facility or area. Prevention, intervention, control, suppression strategies. Resource allocation, queing theory, decision priority, cost analysis.

0101	Frederick Mowrer	Seats (Total: 15)
	MW 5:00pm - 6:20pm	JMP 3216

ENFP625 **Advanced Fire Modeling**

ENFP625 Advanced Fire Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Validity, utility, reliability of current computer models. Applications of models in risk assessment, underwriting, loss prediction, hazard analysis. Development and validation of specific application models.

0101	Arnaud Trouve	Seats (Total: 30)
	MW 11:00am - 12:15pm	JMP 1109

ENFP627 **Smoke Detection and Management**

ENFP627 Smoke Detection and Management; (3 credits) Grade Method: REG. *Prerequisite: ENFP300.* Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

0101	James Milke	Seats (Total: 30)
	MW 1:00pm - 2:15pm	JMP 3216

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629C **Selected Topics; Advanced Fire Suppression**
Contact department for information to register for this course.

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Fall 2008

ENGL101 **Introduction to Writing**

English as a second language classes are listed under UMEI.

ENGL101 Introduction to Writing; (3 credits) Grade Method: REG.

An introductory course in expository writing. Students with a TWSE score below 33 must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0102	Joshua Edwards MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1103
0104	Fernando Benavidez MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1117
0107	Paul Cote MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2119
0108	Mary Switalski MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1105
0109	Willie Davis MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1111
0202	Heather McHale MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2119
0204	Paul Cote MWF 10:00am - 10:50am	Seats (Total: 22) TLF 1101
0209	Tyler Mills MWF 10:00am - 10:50am	Seats (Total: 9) CCC 1105
0210	Joshua Edwards MWF 10:00am - 10:50am	Seats (Total: 22) KEY 1117
0213	Natalie Corbin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) SQH 1111 SQH 2122
0214	Willie Davis MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2121

0301	Joshua Edwards MWF 11:00am - 11:50am	Seats (Total: 17) JMZ 3203
0302	Jocelyn Heath MWF 11:00am - 11:50am	Seats (Total: 22) COL 3110
0303	Katherine Hazelrigg MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0123
0305	Bridget Todd MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0109
0309	Jacob Hinkson MWF 11:00am - 11:50am	Seats (Total: 3) CCC 1105
0310	Mary Switalski MWF 11:00am - 11:50am	Seats (Total: 2) CBD 1140
0311	Jennifer Dempsey MWF 11:00am - 11:50am	Seats (Total: 22) SYM 0209
0313	Andrew Black MWF 11:00am - 11:50am	Seats (Total: 22) CSS 2416
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 8) CCC 1105
0403	Nicole Gurley MWF 12:00pm - 12:50pm	Seats (Total: 22) SYM 0209
0404	Elizabeth Fixsen MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2122
0408	Sarah Wylder MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1105
0409	Amy Karp MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1123
0411	Dory Hoffman MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1111

0503	Maria Gigante MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1123
0504	Amy Karp MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2121
0506	Yildiz Nuredinoski MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2119
0507	Sarah Wylder MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1105
0508	Joshua Edwards MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1111
0510	Willie Davis MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1107
0602	Douglas Kern MWF 2:00pm - 2:50pm	Seats (Total: 22) EGR 2154
0603	Yildiz Nuredinoski MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2119
0605	Maria Gigante MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2117
0606	Nicole Gurley MWF 2:00pm - 2:50pm	Seats (Total: 22) JMZ 0120
1001	Maggie Ray TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1121
1002	Timothy Jerome TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1101
1004	Kyle Garton-Gundling TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 0114
1007	James Ocita TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0120

1101	Michael Scalise TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0102
1102	Kimberly O'Connor TuTh 9:30am - 10:45am	Seats (Total: 22) TLF 1101
1103	Katy Howe TuTh 9:30am - 10:45am	Seats (Total: 22) LEF 1222
1104	Ann Mason TuTh 9:30am - 10:45am	Seats (Total: 22) JMZ 1120
1106	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 1116
1110	Karl Zuehlke TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1111
1111	Nathaniel Underland TuTh 9:30am - 10:45am	Seats (Total: 22) JMZ 1224
1112	Joseph Kautzer TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 0103
1203	James Ocita TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0121
1204	Lee Bleyer TuTh 11:00am - 12:15pm	Seats (Total: 22) SYM 0209
1207	James Hodapp TuTh 11:00am - 12:15pm	Seats (Total: 22) HBK 0125
1208	Steven Kleinman TuTh 11:00am - 12:15pm	Seats (Total: 22) PHY 4220
1210	John Whitcraft TuTh 11:00am - 12:15pm	Seats (Total: 22) TYD 0101
1212	Gerald Maa TuTh 11:00am - 12:15pm	Seats (Total: 22) ARM 0101

1213	Catherine Barnes TuTh 11:00am - 12:15pm	Seats (Total: 22) EGR 1102
1214	Emerson Wright TuTh 11:00am - 12:15pm	Seats (Total: 22) BPS 1228
1215	Adam Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2119
1301	Porter Olsen TuTh 12:30pm - 1:45pm	Seats (Total: 22) TLF 1101
1303	James Hodapp TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 1116
1304	Meredith Norris TuTh 12:30pm - 1:45pm	Seats (Total: 22) ASY 3221
1305	Megan Monserez TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 2120
1308	Katharine Savini TuTh 12:30pm - 1:45pm	Seats (Total: 22) COL 0102
1309	Lawrence-Minh Davis TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0116
1312	Rebekah Cunningham TuTh 12:30pm - 1:45pm	Seats (Total: 6) CCC 1115
1313	Amy Merritt TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 1120
1314	Kathryn Wagner TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0120
1315	Abbas Jamshidi TuTh 12:30pm - 1:45pm	Seats (Total: 22) JRN 1105
1316	Sharon Higby TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 0103

1317	Katy Howe TuTh 12:30pm - 1:45pm	Seats (Total: 22) LEF 1222
1401	Katy Howe TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0125
1402	Ann Mason TuTh 2:00pm - 3:15pm	Seats (Total: 22) COL 3112
1403	Lee Bleyer TuTh 2:00pm - 3:15pm	Seats (Total: 22) COL 0102
1404	Lawrence-Minh Davis TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0124
1407	Aaron Dinin TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1123
1408	Lewis Gleich MWF 9:00am - 9:50am	Seats (Total: 22) HBK 0125
1409	Alison Hennessee MWF 10:00am - 10:50am	Seats (Total: 22) HBK 0125
1410	Douglas Kern MWF 10:00am - 10:50am	Seats (Total: 22) HBK 0115
1411	Douglas Kern MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0115
1412	Elizabeth Colson MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1123
1413	Jason Payton MWF 12:00pm - 12:50pm	Seats (Total: 22) JMZ 2206
1414	Nelson Pressley TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0123
1415	Agnes Bannigan TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1121

1416	Nicole Gurley MWF 9:00am - 9:50am	Seats (Total: 22) JMZ 3205
1417	Jacqueline Kautzer MWF 10:00am - 10:50am	Seats (Total: 22) JMZ 3203
1418	Katy Howe TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1111
1419	Megan Monserez TuTh 2:00pm - 3:15pm	Seats (Total: 22) JMZ 1117
1420	Catherine Barnes TuTh 9:30am - 10:45am	Seats (Total: 22) EGR 0108
1421	Meredith Norris TuTh 2:00pm - 3:15pm	Seats (Total: 22) ARM 0101
1422	Leigh Ruggiero MWF 12:00pm - 12:50pm	Seats (Total: 22) HBK 0109
1423	Leigh Ruggiero MWF 1:00pm - 1:50pm	Seats (Total: 22) HBK 0109
FC01	Jacob Hinkson MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1121
FC02	Deborah Bailin MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1117
FC03	Jacob Hinkson MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) HZF 0101
FC04	Tod Jones TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) ARM 0118

FC05	Ann Mason TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1105
FC06	Hannah Baker TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 2121
FC07	Deborah Bailin MW 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1101
FC08	Rebekah Cunningham TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) ARM 0120
FC09	Michael Scalise TuTh 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 2119
FC10	John Whitcraft MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1123
FC11	Hannah Baker TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 1121
FC12	Katherine Wilson TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) SQH 2121

ENGL101A **Introduction to Writing**

ENGL101A Introduction to Writing; (3 credits) Grade Method: REG.
Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1706	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 15) SQH 1101
1707	Jasmine Lellock MWF 10:00am - 10:50am	Seats (Total: 15) SQH 1121

ENGL101C **Introduction to Writing**

ENGL101C Introduction to Writing; (3 credits) Grade Method: REG.
Restricted to students in the Civicus Program.

0204	Kisa Lape MWF 10:00am - 10:50am	Seats (Total: 22) SOM 0101
0308	Kisa Lape MWF 11:00am - 11:50am	Seats (Total: 22) SOM 0101

ENGL101H **Introduction to Writing**

ENGL101H Introduction to Writing; (3 credits) Grade Method: REG.
For general honors students or students with a verbal SAT of 600 or better.

0201	Sarah Fang MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1121
0501	Elizabeth Fixsen MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2122
0701	Natalie Hoffmann TuTh 11:00am - 12:15pm	Seats (Total: 22) COL 0101
0801	Gerald Maa TuTh 12:30pm - 1:45pm	Seats (Total: 22) MTH 0103

ENGL101M **Introduction to Writing**
Contact department for information to register for this course.

ENGL101S **Introduction to Writing**

ENGL101S Introduction to Writing; (3 credits) Grade Method: REG.

0203	Leigh Ruggiero MWF 10:00am - 10:50am *Restricted to College Park Scholars - Cultures of the Americas.*	Seats (Total: 22) CCC 1115
0209	Tyler Mills MWF 10:00am - 10:50am *Restricted to College Park Scholars - Media, Self, and Society.*	Seats (Total: 13) CCC 1105
0309	Jacob Hinkson MWF 11:00am - 11:50am *Restricted to College Park Scholars - Arts.*	Seats (Total: 19) CCC 1105
0310	Mary Switalski MWF 11:00am - 11:50am *Restricted to College Park Scholars - Advocates for Children.*	Seats (Total: 20) CBD 1140
0402	Robert Crane MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Science, Technology, and Society nd Science, Discovery, and the Universe.*	Seats (Total: 14) CCC 1105
0410	Jacob Hinkson MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Cultures of the Americas and Arts*	Seats (Total: 22) CCC 1115
0501	Tyler Mills MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Advocates for Children and Media, Self, and Society.*	Seats (Total: 22) CBD 1140
1206	Thomas Geary TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Science, Technology, and Society.*	Seats (Total: 22) CCC 1115
1312	Rebekah Cunningham TuTh 12:30pm - 1:45pm *Restricted to College Park Scholars - Science, Discovery and the Universe.*	Seats (Total: 16) CCC 1115

ENGL101U Introduction to Writing

Contact department for information to register for this course.

ENGL101X **Introduction to Writing**

ENGL101X Introduction to Writing; (3 credits) Grade Method: REG.
Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to Undergraduate Advising. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005: Advanced English as a Foreign Language, Semi-Intensive.

1107	Liora Moriel TuTh 9:30am - 10:45am	Seats (Total: 18) SQH 1123
2003	Nabila Hijazi TuTh 11:00am - 12:15pm	Seats (Total: 18) TLF 1103
2006	Natalie Corbin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SQH 1105 SQH 2122

ENGL201 **Literature of the Western World I: Ancient and Medieval**

ENGL201 Literature of the Western World I: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of authors, works, and genres, largely continental, in the early Western literary tradition. Readings such as selections from the Bible, Homer, Sophocles, Aeschylus, Sappho, Virgil, Ovid, Seneca, Augustine, Dante, medieval romance.

0201	Ellen Moll MWF 11:00am - 11:50am	Seats (Total: 35) SQH 1117
0301	Thomas Lawton TuTh 9:30am - 10:45am	Seats (Total: 35) COL 3111
0401	Ellen Moll MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1105

ENGL202 **Literature of the Western World II: Renaissance to Modern**

ENGL202 Literature of the Western World II: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of major authors, works, and genres, largely continental, in the late Western literary tradition. Readings may include Cervantes, Calderon, Moliere, Voltaire, Goethe, Dostoevsky, Ibsen, Chekhov, Flaubert, Sand, Camus, drama, the rise of the novel.

0101	Michael Rosenberg MWF 1:00pm - 1:50pm	Seats (Total: 35) SQH 1117	
0301	Michael Rosenberg MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1117	

ENGL205 **Introduction to Shakespeare**

ENGL205 Introduction to Shakespeare; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Recommended for non-majors. Reading of representative works. Genre, action, character, theme, language, and staging. Shakespeare's relation to Renaissance culture.

0102	Maynard Mack TuTh 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 JMP 1109	 Discussion
0103	Maynard Mack TuTh 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 KEY 0125	 Discussion
0104	Maynard Mack TuTh 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 JMP 1109	 Discussion
0105	Maynard Mack TuTh 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 KEY 0125	 Discussion
0106	Maynard Mack TuTh 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 KEY 0126	 Discussion

0107	Maynard Mack TuTh 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 JMP 1109	 Discussion

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Christine Maffuccio MWF 12:00pm - 12:50pm	Seats (Total: 35) TYD 0102
0201	Christine Maffuccio MWF 1:00pm - 1:50pm	Seats (Total: 35) TYD 1101
0301	Joanne Roby TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0103

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Laura Gordon TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1119
0201	Elizabeth Colson MWF 1:00pm - 1:50pm	Seats (Total: 35) KEY 1117
0301	Damion Clark TuTh 9:30am - 10:45am	Seats (Total: 35) EGL 1204
0401	Laura Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1113

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0701	Eric Curry MWF 10:00am - 10:50am	Seats (Total: 35) HBK 0109	
0801	Eric Curry MWF 11:00am - 11:50am	Seats (Total: 35) COL 3109	

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0101	Rewa Burnham TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1102	
0201	Caroline Egan MWF 10:00am - 10:50am	Seats (Total: 35) SQH 2117	
0301	Rewa Burnham TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0125	

ENGL234 **Introduction to African-American Literature**

ENGL234 Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
A survey of African-American literature from the late 18th century to the present. Also offered as AASP 298L.

0101	Zita Nunes TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) KEY 0106 LEF 1221	 Discussion

0102	Zita Nunes TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) KEY 0106 JMZ 1117	Discussion
0103	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 LEF 1222	Discussion
0104	Zita Nunes TuTh 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 22) KEY 0106 KEY 0121	Discussion
0105	Zita Nunes TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0107	Zita Nunes TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 KEY 0116	Discussion
0108	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 WDS 1127	Discussion
0109	Zita Nunes TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SKN 0104	Discussion
0110	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 WDS 1127	Discussion

ENGL241 **Introduction to the Novel**

ENGL241 Introduction to the Novel; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Historical, formal, social questions about the genre. Readings drawn from a range of cultures and communities.

0101	John Auchard MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 22) EGR 1202 COL 0100	Discussion
0102	John Auchard MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) EGR 1202 COL 0101	Discussion
0103	John Auchard MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 22) EGR 1202 JMZ 0118	Discussion
0104	John Auchard MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) EGR 1202 KEY 0121	Discussion
0105	John Auchard MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) EGR 1202 KEY 0120	Discussion
0107	John Auchard MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) EGR 1202 KEY 0116	Discussion
FC01	Aparajita De TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 33) KEY 1117	

ENGL243 **Introduction to Poetry**

ENGL243 Introduction to Poetry; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities.

0101	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 TYD 1114	Discussion

0102	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SQH 1103	Discussion
0103	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 TYD 0101	Discussion
0104	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 SQH 1107	Discussion
0105	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 KEY 0119	Discussion
0106	Joshua Weiner MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 SQH 1121	Discussion
0107	Joshua Weiner MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 TYD 1108	Discussion
0108	Joshua Weiner MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 SQH 1101	Discussion
0109	Joshua Weiner MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 22) ARC 0204 KEY 0121	Discussion
0110	Joshua Weiner MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 TYD 0101	Discussion
0111	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 TYD 1108	Discussion

0112	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 SQH 1101	Discussion
FC01	Tyler Mills MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 26) SYM 0215	

ENGL244 **Introduction to Drama**

ENGL244 Introduction to Drama; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A survey of the basic literature of drama from the classical Greeks to modern times.

0101	Michael Olmert TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) SKN 0200 TLF 1103	Discussion
0102	Michael Olmert TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) SKN 0200 LEF 1201	Discussion
0103	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) SKN 0200 KEY 0123	Discussion
0104	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) SKN 0200 KEY 0124	Discussion
0105	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) SKN 0200 LEF 2208	Discussion
0106	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) SKN 0200 KEY 0116	Discussion
0107	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) SKN 0200 KEY 0123	Discussion

0108	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) SKN 0200 KEY 0125	Discussion
0109	Michael Olmert TuTh 9:30am - 10:20am F 2:00pm - 2:50pm	Seats (Total: 22) SKN 0200 KEY 0116	Discussion

ENGL245 **Film and the Narrative Tradition**

ENGL245 Film and the Narrative Tradition; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Primary attention is on the film as a narrative medium, but other literary models will be examined.

0101	Amy Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 0117	
0201	Amy Corbin TuTh 3:30pm - 4:45pm	Seats (Total: 35) TYD 2111	

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Images of women in literature by and about women.

0101	Marilee Lindemann MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 22) TYD 0130 JMZ 0122	Discussion
0102	Marilee Lindemann MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) TYD 0130 WDS 1127	Discussion
0103	Marilee Lindemann MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) TYD 0130 WDS 1114	Discussion

0104	Marilee Lindemann MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) TYD 0130 KEY 0123	Discussion
0106	Marilee Lindemann MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TYD 0130 SQH 1119	Discussion
0107	Marilee Lindemann MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TYD 0130 SQH 1101	Discussion
0108	Marilee Lindemann MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TYD 0130 SQH 1103	Discussion
0109	Marilee Lindemann MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) TYD 0130 KEY 0103	Discussion
0110	Marilee Lindemann MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TYD 0130 SQH 1121	Discussion

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, Adrienne Rich. Also offered as LGBT 265.

0301	Alyson Doulos TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1105	

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL278P **Special Topics in Literature; Language and Genre: Poetry and Drama**
Contact department for information to register for this course.

ENGL278Q **Language and Genre: Prose**
Contact department for information to register for this course.

ENGL278R **Autobiography**
Contact department for information to register for this course.

ENGL278W **Literature in a Wired World**

ENGL278W Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Joseph Byrne TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0115
0201	Mirona Magearu TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1117

ENGL280 **Introduction to the English Language**

ENGL280 Introduction to the English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Facts and phenomena of the English language; basic concepts and instruments useful for the analysis of literary and rhetorical uses of English. Potential topics include the history of English, its metrics, lexical patterns, common rhetorical devices, literary genres and its role as an international language.

0201	Elizabeth Driver TuTh 9:30am - 10:45am	Seats (Total: 35) WDS 0104

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Mark Hoffmann TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 0125
0201	Mark Hoffmann TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGL 1204

ENGL294 **Introduction to Creative Writing**

ENGL294 Introduction to Creative Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction and poetry, with special attention to elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Karl Zuehlke TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 1111
0201	Brandon Thomas TuTh 2:00pm - 3:15pm	Seats (Total: 20) MTH 0105
0301	Dory Hoffman MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0123

ENGL296 **Beginning Fiction Workshop**

ENGL296 Beginning Fiction Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Sarah Fang MW 12:00pm - 1:15pm	Seats (Total: 20) KEY 0119

0201	Agnes Bannigan TuTh 11:00am - 12:15pm	Seats (Total: 20) ARC 1103

ENGL297 **Beginning Poetry Workshop**

ENGL297 Beginning Poetry Workshop; (3 credits) Grade Method: REG/P-F/AUD. Writing of poetry, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0201	Laura Leichum TuTh 2:00pm - 3:15pm	Seats (Total: 20) ARM 0110
0301	Brent McCafferty MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2122

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG/P-F/AUD.
For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Deborah Bailin MW 12:30pm - 1:45pm	Seats (Total: 25) SQH 1101
0108	Melanie Faith TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1123
0201	Melanie Faith TuTh 3:30pm - 4:45pm	Seats (Total: 25) SQH 1119
0301	David Brookshire MW 11:00am - 12:15pm	Seats (Total: 25) SQH 1119
0401	Kari Kraus MW 2:00pm - 3:15pm	Seats (Total: 25) SQH 2121
0501	Christina Walter TuTh 9:30am - 10:45am	Seats (Total: 25) SQH 1107

0601	Randy Ontiveros TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1119	
0701	David Brookshire MW 12:30pm - 1:45pm	Seats (Total: 25) SQH 2117	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 SQH 1107	 Discussion
0102	Theodore Leinwand MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SQH 1120 SQH 2119	 Discussion
0103	Theodore Leinwand MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 SQH 2121	 Discussion
0104	Theodore Leinwand MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 SQH 1107	 Discussion

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Melanie Faith TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1121

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Laura Rosenthal MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1103

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0101	Heather McHale MW 11:00am - 12:15pm	Seats (Total: 35) SQH 2117
0201	Donald Kleine TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1101

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department.* A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Isabell Klaiber TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 0116
0201	Ingrid Satelmajer TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 2108

ENGL344 **Nineteenth-Century Fiction**

ENGL344 Nineteenth-Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379A in Fall 2005 or Spring 2006.* Major British, American, and other fiction writers of the nineteenth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Heidi Scott TuTh 9:30am - 10:45am	Seats (Total: 35) CHM 0122

ENGL345 **Twentieth Century Poetry**

ENGL345 Twentieth Century Poetry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL445 or ENGL446.* Major British and American poets of the twentieth century.

0101	Eleanor Heginbotham TuTh 3:30pm - 4:45pm	Seats (Total: 35) MTH 0304

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Almila Ozdek TuTh 3:30pm - 4:45pm	Seats (Total: 35) HZF 0101
0201	Almila Ozdek TuTh 5:00pm - 6:15pm	Seats (Total: 35) HZF 0101

ENGL348D **Literary Works by Women**

ENGL348D Literary Works by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Eleanor Heginbotham MW 3:30pm - 4:45pm	Seats (Total: 35) SQH 1107

ENGL348F **Literary Works by Women; Women on the Frontier**

ENGL348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST 348F.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 2117

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1103

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Barry Pearson	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 2117

ENGL368C **Special Topics in the Literature of Africa and the African Diaspora; African American Stories, Oral and Literary**

ENGL368C Special Topics in the Literature of Africa and the African Diaspora: African American Stories, Oral and Literary; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	William Lewis	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1121

ENGL373 **Senior Honors Project**

ENGL373 *(PermReq)* **Senior Honors Project; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL370. For ENGL majors only. Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Joshua Weiner	Seats (Total: 30)
	M 3:30pm - 5:30pm	SQH 1117

ENGL379C **Special Topics in Literature; Editing and Document Design**

ENGL379C Special Topics in Literature: Editing and Document Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Lea Chartock	Seats (Total: 27)
	TuTh 2:00pm - 3:15pm	SQH 1105

ENGL379D **Special Topics in Literature; The Detective Film/Film as Detection**

ENGL379D Special Topics in Literature: The Detective Film/Film as Detection; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Miller	Seats (Total: 60)
	Tu 6:30pm - 10:00pm	SQH 1120

ENGL379F **Special Topics in Literature; Writing About Literature**

ENGL379F Special Topics in Literature: Writing About Literature; (3 credits)
Grade Method: REG/P-F/AUD.

0101	Linda Macri	Seats (Total: 22)
	MW 2:00pm - 3:15pm	SQH 1119

ENGL379H **Special Topics in Literature; London Stage**
Contact department for information to register for this course.

ENGL379I **Special Topics in Literature; The Short Story Collection**

ENGL379I Special Topics in Literature: The Short Story Collection; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Merrill Feitell	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	SQH 1105

ENGL379J **Special Topics in Literature; Representing the Holocaust**

ENGL379J Special Topics in Literature: Representing the Holocaust; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses , at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Also offered as JWST419I.

0101	Sheila Jelen TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1105	

ENGL379K **Special Topics in Literature; Women's Writing During Wartime**

ENGL379K Special Topics in Literature: Women's Writing During Wartime; (3 credits) Grade Method: REG/P-F/AUD.
Repeatable to 9 credits if content differs. Team-taught by Martha Nell Smith and Jason Rudy.

0101	Martha Nell Smith, Jason Rudy TuTh 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 SQH 2117	 Discussion
0103	Martha Nell Smith, Jason Rudy TuTh 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SQH 1120 SQH 1119	 Discussion

ENGL379L **Special Topics in Literature; Graphic Novels and the Representation of War**

ENGL379L Special Topics in Literature: Graphic Novels and the Representation of War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Linda Macri MW 11:00am - 12:15pm	Seats (Total: 35) SQH 1101

ENGL379M **Special Topics in Literature; British Plays in Performance**

ENGL379M *(PermReq)* **Special Topics in Literature: British Plays in Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Michael Olmert Tu 3:30pm - 6:05pm	Seats (Total: 35) SQH 1120

ENGL379Q **Special Topics in Literature: Caribbean Oral Tradition**

Contact department for information to register for this course.

ENGL379R **Special Topics in Literature; Sexuality in the Cinema**

ENGL379R Special Topics in Literature: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1119

ENGL379Y **Special Topics in Literature**
Contact department for information to register for this course.

ENGL381 **MGA Legislative Seminar**

ENGL381 *(PermReq)* **MGA Legislative Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Classroom analysis component of the Maryland General Assembly internship program.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	SQH 2119

ENGL388A **Writing Internship; Second Life Workshop in African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Preprofessional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Preprofessional Writing Skills Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 25)
	W 4:00pm - 6:00pm	Location: TBA
	Contact instructor or department for details.	

ENGL388T **Writing Internship; Maryland Institute for Technology in the Humanities Internships**

ENGL388T *(PermReq)* **Writing Internship: Maryland Institute for Technology in the Humanities Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Leigh Ryan, Heather Brown	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KEY 0117

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Satisfies professional writing requirement. Click here for more course information.

0101	Mary Shea MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2120
1301	Paul Haynos TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 1112
1401	Paul Haynos TuTh 2:00pm - 3:15pm	Seats (Total: 22) JMZ 0208

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more course information.

0101	Mark Forrester MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1123
0202	Pamela Gerhardt MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1107
0301	Monica Jacobe MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) SQH 2121 SQH 2120
0302	Rachel Frier MWF 11:00am - 11:50am	Seats (Total: 22) EGL 1204

0402	Rachel Frier MWF 12:00pm - 12:50pm	Seats (Total: 22) TLF 1103
0501	Rachel Frier MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0124
0502	Mark Forrester MWF 1:00pm - 1:50pm	Seats (Total: 22) WDS 0104
0601	Reiner Prochaska MW 2:00pm - 3:15pm	Seats (Total: 22) JMZ 1124
0701	Reiner Prochaska MW 3:30pm - 4:45pm	Seats (Total: 22) JMZ 1124
0801	Liora Moriel MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 2122
1101	Kathryn Wagner TuTh 9:30am - 10:45am	Seats (Total: 22) ASY 3217
1201	Katherine Wilson Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) WDS 1131 SQH 2120
1202	Kathryn Wagner TuTh 11:00am - 12:15pm	Seats (Total: 22) ASY 3221
1301	Katherine Wilson Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TYD 2111 SQH 2120
1302	Todd Solomon Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 2122 SQH 2119
1401	Melanie Faith Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 2120 SQH 2119

1601	Donald McNeilly M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2117
1701	Donald McNeilly Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 2117

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. For students in the University or departmental Honors pro gram. Click here for more course information.

0201	Monica Jacobe MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) SQH 1123 SQH 2120

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Satisfies professional writing requirement. Click here for more course information.

0201	Robin Earnest MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) SQH 2122 SQH 1119
0301	Robin Earnest MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SQH 2122 SQH 1105
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2120 WDS 1131

1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2120 WDS 1131
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 2120 TYD 2111
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more course information.

0101	Louis Eisenhauer M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 1105 SQH 2122
0102	Joanna Findlay MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1121
0202	Joanna Findlay MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1101
0301	Kelli Skinner Eyerly MWF 11:00am - 11:50am	Seats (Total: 22) EGR 3102
0401	Joanna Findlay MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2121
0402	Kelli Skinner Eyerly MWF 12:00pm - 12:50pm	Seats (Total: 22) MTH 0102

0502	Kelli Skinner Eyerly MWF 1:00pm - 1:50pm	Seats (Total: 22) PHY 4220
0503	Joanna Findlay MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1119
0601	Edward Berlinski MW 2:00pm - 3:15pm	Seats (Total: 22) EGR 3102
0602	Daniel Saalfeld M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 2120 SQH 1123
0701	Louis Eisenhauer M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 2121 SQH 2122
0702	Daniel Saalfeld M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 2120 SQH 1103
0801	Joseph Wappel M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) SQH 1107 SQH 2120
0802	Daniel Saalfeld M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) SQH 2120 SQH 1107
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) HJP 1229
1102	Susanna Paul Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2119 SQH 2122
1201	Mark Arnold TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2121

1203	Susanna Paul Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) WDS 1127 SQH 2122
1302	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 2119 SQH 2122
1303	Kelly Cresap TuTh 12:30pm - 1:45pm	Seats (Total: 22) PHY 4220
1401	Michelle Von Euw Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122 SQH 1111
1402	Richie Crider TuTh 2:00pm - 3:15pm	Seats (Total: 22) LEF 1222
1501	Michelle Von Euw Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) SQH 2122 SQH 1111
1502	Richie Crider TuTh 3:30pm - 4:45pm	Seats (Total: 22) TLF 1101
1505	Donald McNeilly TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 1123
1601	Mark Fitzgerald M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
1602	Edward Berlinski M 6:30pm - 9:10pm	Seats (Total: 22) SQH 1107
1701	Diana Sims Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120
1801	Mark Fitzgerald W 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122

1901	Alexandra Calloway Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120
1902	Philippia Richardson Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 1123

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. For students who are exempt from ENGL101 or who are in the University departmental Honors program. Click here for more course information.

0701	Joseph Wappel M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 1103 SQH 2120

ENGL393X **Technical Writing**

ENGL393X Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more course information.

1001	Connie Inukai TuTh 8:00am - 9:15am	Seats (Total: 18) SQH 2120
1101	Connie Inukai Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) WDS 1131 SQH 2120

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more course information.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2121
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0126
0301	Ceil Goldberg MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1111
0401	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) SKN 1112
0402	Nicole Pekarske MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2120
0501	Nicole Pekarske MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2120
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122 SQH 1105
0701	Ceil Goldberg M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 2122 SQH 2121
0801	Rebecca Holden MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 1103
1101	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) WDS 1127
1102	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) ARC 1125

1201	Clare Parsons TuTh 11:00am - 12:15pm	Seats (Total: 22) TLF 1101
1202	Karen Angeline TuTh 11:00am - 12:15pm	Seats (Total: 22) SKN 1112
1301	Rosalia Saklas TuTh 12:30pm - 1:45pm	Seats (Total: 22) WDS 1127
1302	Karen Angeline TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 0125
1303	Michael Brannan TuTh 12:30pm - 1:45pm	Seats (Total: 22) PLS 1146
1401	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) ASY 3203
1402	Michael Brannan TuTh 2:00pm - 3:15pm	Seats (Total: 22) JMZ 1122
1403	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119 SQH 2120
1501	Frederick Bolton TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 1123
1502	William Schatz TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2120
1505	Ellen Blumner TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 2122
1701	Ellen Blumner Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
1801	Rebecca Holden W 6:30pm - 9:10pm	Seats (Total: 22) SQH 1111

1901	Ellen Blumner Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
SG91	Natka Bianchini TuTh 9:30am - 10:45am *Registration is restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) SGII 3012
SG92	Natka Bianchini TuTh 11:00am - 12:15pm *Registration is restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) SGII 3012
SG93	Natka Bianchini TuTh 2:00pm - 3:15pm *Registration is restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) SGII 3012

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more course information.

0701	Edward Berlinski MW 3:30pm - 4:45pm	Seats (Total: 22) SQH 1123
1101	Arthur Reynolds TuTh 9:30am - 10:45am	Seats (Total: 22) TYD 2110
1201	Arthur Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0119
1301	Arthur Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0119

1401	Walter Knorr Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 1111 SQH 2122
1501	Walter Knorr Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) SQH 1111 SQH 2122

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.

ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Merrill Feitell TuTh 12:30pm - 1:45pm	Seats (Total: 15) SQH 4116

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Kimberly O'Connor TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 4116

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts. Click here for more course information.

1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) ARC 1101
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) COL 3110

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narratives**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports. Click here for more course information.

1505	Joseph Wappel TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 2120

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics. Click here for more course information.

1401	Michael Winett M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 1123 SQH 2120

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) ARC 1125

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits. Click here for more course information.

1101	Todd Solomon Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2122 SQH 2119
1201	Todd Solomon Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2122 WDS 1127

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion fo ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391N. Credit will be granted for only one of the following: ENGL398R or ENGL391N. Formerly ENGL391N. An advanced composition course which emphasizes nonfiction narrative writing. Click here for more course information.

0101	Pamela Gerhardt MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2122

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E. Click here for more course information.

0201	Mary Shea MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) SQH 2120 SQH 1123
0301	Mary Shea MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) SQH 2120 SQH 2121

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Thomas Moser MW 12:30pm - 1:45pm	Seats (Total: 30) SQH 1103

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Maynard Mack TuTh 9:30am - 10:45am	Seats (Total: 30) SQH 1117

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Gerard Passannante TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1103

ENGL408A **Literature by Women Before 1800; Medieval Women Writers**

ENGL408A Literature by Women Before 1800: Medieval Women Writers; (3 credits) Grade Method: REG/P-F/AUD.

0101	Linda Keyser TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1101

ENGL412 **Literature of the Seventeenth Century, 1600-1660**

ENGL412 Literature of the Seventeenth Century, 1600-1660; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works from early Stuart through Interregnum period. Major literary genres in historical contexts. Writers such as Donne, Jonson, Mary Wroth, Bacon, Browne, and Marvell.

0101	Gerard Passannante TuTh 3:30pm - 4:45pm	Seats (Total: 30) SQH 1117

ENGL414 **Milton**

ENGL414 Milton; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetry and major prose in their social, political, and literary-historical contexts. Special attention to Paradise Lost. Other works may include Samson Agonistes and shorter poems.

0101	Marshall Grossman	Seats (Total: 30)
	MW 11:00am - 12:15pm	SQH 1107

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

ENGL416 Literature of the Eighteenth Century, 1700-1750; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Tita Chico	Seats (Total: 30)
	MW 12:30pm - 1:45pm	SQH 1121

ENGL425 **Modern British Literature**

ENGL425 Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.

0101	Christina Walter	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1103

ENGL428B **Seminar in Language and Literature; Literature by Caribbean Women**

ENGL428B Seminar in Language and Literature: Literature by Caribbean Women; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs.

0101	Merle Collins	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 3105

ENGL428X **Seminar in Language and Literature; Shakespeare on War**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Shakespeare on War; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course restricted to English Honors Program. Permission from the Director of Honors required.

0101	Theodore Leinwand MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 3109

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

ENGL431 American Literature: 1810 to 1865, the American Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Robert Levine TuTh 3:30pm - 4:45pm	Seats (Total: 30) SQH 1107

ENGL435 **American Poetry: Beginning to the Present**

ENGL435 American Poetry: Beginning to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Selections of American poetry, from Bradstreet to contemporary free verse. Authors such as Whitman, Dickinson, Bishop, Hughes, Rich, and Frost.

0101	Eleanor Heginbotham TuTh 5:00pm - 6:15pm	Seats (Total: 35) MTH 0304

ENGL437 **Contemporary American Literature**

ENGL437 Contemporary American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Linda Kauffman MW 11:00am - 12:15pm	Seats (Total: 30) SQH 1103

ENGL449A **Playwriting; Scriptwriting for Theatre**
Contact department for information to register for this course.

ENGL456 **The Nineteenth-Century English Novel**
Contact department for information to register for this course.

ENGL471 **African-American Literature: 1910-1945**

ENGL471 African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures.

0101	Sandra Shannon MW 3:30pm - 4:45pm	Seats (Total: 30) SQH 2117

ENGL477 **Studies in Mythmaking**

ENGL477 Studies in Mythmaking; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two literature courses. Major themes, figures, and configurations of northern European mythology, examining the value of the mythic mode of thought in a scientific era.

0101	Verlyn Flieger	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 2117

ENGL478J **Selected Topics in English and American Literature before 1800; ORATORY AND WAR**

ENGL478J Selected Topics in English and American Literature before 1800: ORATORY AND WAR; (1-3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Vessela Valiavitcharska	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 2121

ENGL478P **Selected Topics in English and American Literature before 1800; War Against God: Order and Disorder in John Milton and Lucy Hutchinson**

ENGL478P Selected Topics in English and American Literature before 1800: War Against God: Order and Disorder in John Milton and Lucy Hutchinson; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Kimberly Coles	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1107

ENGL479D **Selected Topics in English and American Literature after 1800; Tolkien on War**

ENGL479D Selected Topics in English and American Literature after 1800: Tolkien on War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Verlyn Flieger	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1107

ENGL479F **Selected Topics in English and American Literature after 1800; Contemporary Literature, Media and the State**

ENGL479F Selected Topics in English and American Literature after 1800: Contemporary Literature, Media and the State; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Linda Kauffman	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1117

ENGL479G **Selected Topics in English and American Literature after 1800; Fiction and Film**

ENGL479G Selected Topics in English and American Literature after 1800: Fiction and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Howard Norman	Seats (Total: 30)
	M 3:30pm - 6:10pm	SQH 1101

ENGL479Q **Selected Topics in English and American Literature after 1800; Gender & Genius in 19th Century American Fiction**

ENGL479Q Selected Topics in English and American Literature after 1800: Gender & Genius in 19th Century American Fiction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Isabell Klaiber	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1107

ENGL479W **Selected Topics in English and American Literature after 1800; Technoromanticism**

ENGL479W Selected Topics in English and American Literature after 1800: Technoromanticism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.
Repeatable to 9 credits if content differs.

0101	Neil Fraistat	Seats (Total: 30)
	Th 3:30pm - 6:00pm	SQH 1103

ENGL488B **Topics in Advanced Writing; Rhetoric and the Visual**

ENGL488B Topics in Advanced Writing: Rhetoric and the Visual; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable to 9 credits if content differs.

0101	Vessela Valiavitcharska	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 2121

ENGL489Q **Special Topics in English Language; Language and War**

ENGL489Q Special Topics in English Language: Language and War; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable to 9 credits if content differs.

0101	Linda Coleman	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1121

ENGL489R **Special Topics in English Language; Women's Rhetorical Literature (1870-1920)**

ENGL489R Special Topics in English Language: Women's Rhetorical Literature (1870-1920); (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable to 9 credits if content differs.

0101	Shirley Logan	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1101

ENGL489X **Special Topics in English Language; Rhetoric of Style**

ENGL489X Special Topics in English Language: Rhetoric of Style; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Repeatable to 9 credits if content differs.

0101	Jeanne Fahnestock	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1121

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project. For English honors students by permission of the department.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

0101	William Lewis Tu 12:30pm - 3:00pm	Seats (Total: 15) SQH 2123

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Lindsay Bernal M 2:00pm - 4:35pm	Seats (Total: 15) SQH 1111

ENGL601 **Literary Research and Critical Contexts**

ENGL601 Literary Research and Critical Contexts; (3 credits) Grade Method: REG/AUD.
For English majors only.

0101	Theresa Coletti Tu 3:30pm - 6:00pm	Seats (Total: 16) SQH 3109

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 Critical Theory and Literary Criticism; (3 credits) Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature. For English majors only.

0201	Kandice Chuh	Seats (Total: 16)
	W 3:30pm - 6:00pm	SQH 1101

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Required for graduate assistants (optional to other graduate students). Prerequisite: permission of department. A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Shirley Logan	Seats (Total: 18)
	M 6:30pm - 9:05pm	SQH 3105

ENGL622 **Readings in Seventeenth-Century English Literature**

ENGL622 Readings in Seventeenth-Century English Literature; (3 credits) Grade Method: REG/AUD.

0101	Marshall Grossman	Seats (Total: 16)
	W 3:30pm - 6:00pm	SQH 2119

ENGL623 **Readings in Eighteenth-Century English Literature**

ENGL623 Readings in Eighteenth-Century English Literature; (3 credits) Grade Method: REG/AUD.

0101	Laura Rosenthal	Seats (Total: 16)
	M 3:30pm - 6:05pm	SQH 4116

ENGL625 **Readings in English Victorian Literature**

ENGL625 Readings in English Victorian Literature; (3 credits) Grade Method: REG/AUD.

0101	Jason Rudy TuTh 12:30pm - 1:45pm	Seats (Total: 16) SQH 3109

ENGL626 **Readings in American Literature before 1865**

ENGL626 Readings in American Literature before 1865; (3 credits) Grade Method: REG/AUD.

0101	Robert Levine Tu 6:30pm - 9:00pm	Seats (Total: 16) SQH 3105

ENGL627 **Readings in American Literature, 1865-1914**

ENGL627 Readings in American Literature, 1865-1914; (3 credits) Grade Method: REG/AUD.

0101	John Auchard M 3:30pm - 6:05pm	Seats (Total: 16) SQH 3105

ENGL629 **Readings in Folklore and Folklife**

ENGL629 Readings in Folklore and Folklife; (3-6 credits) Grade Method: REG/AUD.

0101	Barry Pearson Th 6:30pm - 9:00pm	Seats (Total: 16) SQH 3105

ENGL631 **Readings in 20th Century American Literature**

ENGL631 Readings in 20th Century American Literature; (3 credits) Grade Method: REG/AUD.

0101	Randy Ontiveros Th 3:30pm - 6:00pm	Seats (Total: 16) SQH 2123

ENGL668B **Readings in Modern Literary Theory**

ENGL668B *(PermReq)* **Readings in Modern Literary Theory; (3-6 credits)** Grade Method: REG/AUD.

0101	Martha Nell Smith Th 3:30pm - 6:00pm	Seats (Total: 16) SQH 3105

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Elizabeth Arnold W 3:30pm - 6:00pm	Seats (Total: 10) SQH 3109
0201	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 10) SQH 3105

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 10) SQH 4116
0201	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 10) SQH 2123

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL708A **Seminar in Rhetoric**

ENGL708A *(PermReq)* **Seminar in Rhetoric; (3 credits)** Grade Method: REG/AUD.

0101	Jeanne Fahnestock Th 6:30pm - 9:00pm	Seats (Total: 12) SQH 3109

ENGL728A **Seminar in Seventeenth-Century Literature; Soule is Forme: Religion, Race and Representation in Early Modern England**

ENGL728A *(PermReq)* **Seminar in Seventeenth-Century Literature: Soule is Forme: Religion, Race and Representation in Early Modern England; (3 credits)** Grade Method: REG/AUD.

0101	Kimberly Coles	Seats (Total: 12)
	Th 3:30pm - 6:00pm	SQH 3109

ENGL748B **Seminar in American Literature; Literature, Science and Empire Across the Eighteenth Century Americas**

ENGL748B *(PermReq)* **Seminar in American Literature: Literature, Science and Empire Across the Eighteenth Century Americas; (3 credits)** Grade Method: REG/AUD.

0101	Ralph Bauer	Seats (Total: 12)
	M 6:30pm - 9:30pm	SQH 3109

ENGL758C **Literary Criticism and Theory; Affect Theory**

ENGL758C *(PermReq)* **Literary Criticism and Theory: Affect Theory; (3 credits)** Grade Method: REG/AUD.

0101	William Cohen	Seats (Total: 12)
	M 3:30pm - 6:05pm	SQH 3109

ENGL788A **Studies in Poetic Form**

ENGL788A *(PermReq)* **Studies in Poetic Form; (3 credits)** Grade Method: REG/AUD.

0101	Elizabeth Arnold	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	SQH 4116

ENGL789A **Form and Theory in Fiction; How to Tell a True War Story**

ENGL789A *(PermReq)* **Form and Theory in Fiction: How to Tell a True War Story; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey	Seats (Total: 12)
	Th 3:30pm - 6:00pm	SQH 4116

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Kandice Chuh	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2008

ENMA150 **Materials of Civilization**

ENMA150 Materials of Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Briber	Seats (Total: 60)
	TuTh 3:30pm - 4:45pm	CHE 2110

ENMA300 **Introduction to Materials and their Applications**

ENMA300 Introduction to Materials and their Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 or permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Not open to students who have completed ENES230. Credit will be granted for only one of the following: ENES230 or ENMA300. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Oded Rabin	Seats (Total: 90)
	TuTh 11:00am - 12:15pm	CHE 2108

ENMA310 **Materials Laboratory I: Structural Characterization**

ENMA310 *(PermReq)* **Materials Laboratory I: Structural Characterization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Corequisite: ENMA460. Junior standing. Characterization of the structure of materials including both single crystal and polycrystalline materials. Laboratories will include x-ray and electron diffraction and microscopy.

0101	Luz Martinez-Miranda	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	CHE 2145	
	MW 9:00am - 12:00pm	CHE 2118	Lab

ENMA362 **Mechanical Properties**

ENMA362 Mechanical Properties; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENMA300. Junior standing or permission of department.* Fundamentals of mechanical behavior in materials. Elastic behavior, dislocations, strengthening, high temperature deformation, deformation of noncrystalline materials, tensile fracture and fatigue.

0101	Sreeramamurthy Ankem	Seats (Total: 15)	
	MW 1:00pm - 2:15pm	CHE 2140	
	F 2:00pm - 4:00pm	Location: TBA	Lab

ENMA422 **Radiation Effects of Materials**

ENMA422 Radiation Effects of Materials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENNU215, ENNU310, or ENMA300; or permission of department. Credit will be granted for only one of the following: ENMA422 or ENMA489E. Formerly ENMA489E.* Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on: polymers, metals, semiconductors, liquids, and gases. Radiation in advanced manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly	Seats (Total: 5)	
	TuTh 12:30pm - 1:45pm	EGR 1108	

ENMA441 **Nanotechnology Characterization**

ENMA441 Nanotechnology Characterization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. Credit will be granted for only one of the following: ENMA489T or ENMA441. Formerly ENMA489T. Techniques to characterize structure, forces, composition and transport at the nanoscale are covered. Underlying principles, instrumentation, capabilities and limitations are discussed for scanning tunneling microscopy and spectroscopy, force microscopies, electron optical microscopies and scattering techniques. Examples from the recent literature are discussed through in-class presentations and guest lectures.

0101	Raymond Phaneuf	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHE 2145

ENMA460 **Physics of Solid Materials**

ENMA460 Physics of Solid Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and (PHYS270 and 271 {Formerly PHYS263}). Junior standing. For ENMA majors only. Also offered as PHYS431. Credit will be granted for only one of the following: ENMA460 or PHYS431. Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi	Seats (Total: 29)
	MW 3:30pm - 4:45pm	CHM 1228

ENMA463 **Macroprocessing of Materials**

ENMA463 Macroprocessing of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Processing of modern, bulk engineering materials. Raw materials, forming, firing, finishing and joining. More emphasis on metals and ceramics than polymers.

0101	Isabel Lloyd	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHE 2118

ENMA471 **Kinetics, Diffusion and Phase Transformations**

ENMA471 *(PermReq)* **Kinetics, Diffusion and Phase Transformations; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: ENMA461. Junior standing or permission of department. Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials. Also offered as ENPM 663.

0101	Manfred Wuttig	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CHE 2116

ENMA489M **Selected Topics in Engineering Materials; Diffraction Techniques in Materials Science**

ENMA489M Selected Topics in Engineering Materials: Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/P-F/AUD.

0101	Luz Martinez-Miranda	Seats (Total: 5)
	MW 2:00pm - 3:15pm	EGR 3106

ENMA495 **Polymeric Engineering Materials I**

ENMA495 Polymeric Engineering Materials I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as ENCH490. Credit will be granted for only one of the following: ENCH490 or ENMA495. Study of polymeric engineering materials and the relationship to structural type. Elasticity, viscoelasticity, anelasticity and plasticity of single and multiphase materials. Emphasis is on polymetric materials.

0101	Kyu Yong Choi	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHE 2136

ENMA499 **Senior Laboratory Project**

ENMA499 Senior Laboratory Project; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Sreeramamurthy Ankem	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA624 **Radiation Engineering**

ENMA624 Radiation Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA624 or ENMA698E. Formerly ENMA698E. Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on ; polymers, metals, semiconductors, liquid, and gas, radiation in advance manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 1308

ENMA641 **Nanotechnology Characterization**

ENMA641 Nanotechnology Characterization; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698T or ENMA641. Formerly ENMA698T. Techniques to characterize the properties of materials whose characteristic dimensions are a few to a few hundred nanometers, including conventional nanocrystalline materials, but concentrating on novel nanomaterials: carbon nanotubes, quantum dots, quantum wires, and quantum wells are covered. The emphasis is on recent results from the scientific literature concerning those properties that make nanostructures interesting: quantum effects, novel transport phenomena, enhanced mechanical properties associated with localization and with small crystallite size.

0101	Raymond Phaneuf	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	CHE 2145

ENMA650 **Nanometer Structure of Materials**

ENMA650 *(PermReq)* **Nanometer Structure of Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENMA 470 or equivalent. The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein	Seats (Total: 29)
	MW 5:00pm - 6:15pm	CHE 2110

ENMA660 **Thermodynamics in Materials Science**

ENMA660 Thermodynamics in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: ENMA 650. Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Alexander Roytburd	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CHE 2145

ENMA680 **Experimental Methods in Materials Science**

ENMA680 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 650. Methods of measuring the structural aspects of materials. Optical and electron microscopy. Resonance methods. Electrical, optical and magnetic measurement techniques. Thermodynamic methods.

0101	Lourdes Salamanca-Riba	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CHE 2118

ENMA681 **Diffraction Techniques in Materials Science**

ENMA681 Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCH 620. Theory of diffraction of electrons, neutrons and X-rays. Strong emphasis on diffraction methods as applied to the study of defects in solids. Short range order, thermal vibrations, stacking faults, microstrain.

0101	Luz Martinez-Miranda	Seats (Total: 20)
	MW 2:00pm - 3:15pm	EGR 3106

ENMA683 **Structural Determination Laboratory**

ENMA683 *(PermReq)* **Structural Determination Laboratory; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698L or ENMA683. Formerly ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Lourdes Salamanca-Riba Th 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab
0201	Lourdes Salamanca-Riba F 2:00pm - 4:00pm	Seats (Total: 5) KEB 1237	Lab
0301	Wen-An Chiou Tu 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Gary Rubloff, John Cumings F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698K **Special Problems in Materials Science and Engineering; Polymer Synthesis**

ENMA698K Special Problems in Materials Science and Engineering: Polymer Synthesis; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH 490 and ENMA 495.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 25) CHE 2136

ENMA698R **Special Problems in Materials Science and Engineering; Advanced Physics of Failure Mechanisms in Materials Engineering**

ENMA698R Special Problems in Materials Science and Engineering: Advanced Physics of Failure Mechanisms in Materials Engineering; (3 credits) Grade Method: REG/AUD.

0101	Aristos Christou	Seats (Total: 15)
	MW 10:00am - 11:15am	CHE 2116

ENMA698V **Special Problems in Materials Science and Engineering; Probing Nanoscale Structures Using Neutron Scattering**

ENMA698V Special Problems in Materials Science and Engineering: Probing Nanoscale Structures Using Neutron Scattering; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH718V and ENCH648V.

0101	Boualem Hammouda	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH B0425

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2008

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio Th 12:30pm - 1:30pm	Seats (Total: 65) EGR 1202	

ENME232 **Thermodynamics**

ENME232 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262).* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	K Radermacher MW 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 JMP 1109	 Lab
0102	K Radermacher MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 JMP 1109	 Lab
0103	K Radermacher MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 EGR 0110	 Lab

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Tien-Mo Shih MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 33) JMP 3201 KEB 2107	 Discussion
0201	Tien-Mo Shih MW 11:00am - 11:50am M 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 KEB 2107	 Discussion

ENME320 **Thermodynamics**

ENME320 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: MATH141; and {PHYS260 and PHYS261 (Formerly: PHYS262)}.* The properties, characteristics and fundamental equations of gases and vapors. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression vapor cycles. Flow and non-flow processes for gases and vapors.

0201	Tien-Mo Shih TuTh 11:00am - 12:15pm	Seats (Total: 40) PLS 1119	

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENME232 and ENES221.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 CSS 1113	 Lab
0102	Ilias Balaras, Amir Riaz MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 35) JMP 3201 SYM 0200	 Lab
0104	Ilias Balaras, Amir Riaz MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 35) JMP 3201 EGR 0110	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Jungho Kim MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	 Lab

0102	Jungho Kim MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	 Lab
0103	Jungho Kim MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 PHY 4208	 Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Sarah Bergbreiter MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 3105	 Lab
0102	Sarah Bergbreiter MW 8:00am - 8:50am Th 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 3105	 Lab
0103	Sarah Bergbreiter MW 8:00am - 8:50am W 3:00pm - 4:50pm	Seats (Total: 24) EGR 1202 EGR 3114	 Lab
0104	Sarah Bergbreiter MW 8:00am - 8:50am Tu 3:00pm - 4:50pm	Seats (Total: 24) EGR 1202 EGR 1102	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Elisabeth Smela MW 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 24) CHE 2110 EGR 1102	 Lab
0102	Elisabeth Smela MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGL 1202	 Lab
0103	Elisabeth Smela MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGL 1202	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	B Balachandran TuTh 9:30am - 10:45am	Seats (Total: 50) CSI 3117	
0102	B Balachandran TuTh 9:30am - 10:45am	Seats (Total: 20) CSI 3117	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Chandrasekhar Thamire MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 35) CHE 2108 EGL 0101	 Lab
0102	Chandrasekhar Thamire MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 35) CHE 2108 EGL 0101	 Lab

ENME382 **Engineering Materials and Manufacturing Processes**

ENME382 *(PermReq)* **Engineering Materials and Manufacturing Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. Basic material structures and properties. Mechanical behavior of materials. Manufacturing processes theory. Materials processing. Quality assurance. Laboratory experiments.

0101	Hugh Bruck MW 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 45) SYM 0200 EGR 1104	 Discussion
0102	Hugh Bruck MW 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 45) SYM 0200 ARM 0112	 Discussion

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities. Delivered via ITV.

0101	David Bigio TuTh 11:00am - 12:15pm	Seats (Total: 58) EGR 2107
0201	Elisabeth Smela TuTh 9:30am - 10:45am	Seats (Total: 67) ANS 0408

ENME400 **Machine Design**

ENME400 Machine Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Working stresses, stress concentration, stress analysis and repeated loadings. Design of machine elements. Kinematics of mechanisms.

0101	Patrick Cunniff MW 11:00am - 12:15pm	Seats (Total: 34) EGR 1104

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 60) EGR 1202 JMP 3201

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project. Design technical elective.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME423 **Building Cooling Heating and Power Systems**

ENME423 *(PermReq)* **Building Cooling Heating and Power Systems; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: ENME232 and ENME332. Introduction to the evaluation of cooling, heating and power requirements of buildings. Description, design and evaluation of state-of-the-art and emerging integrated cooling, heating and power systems (engines, micro-turbines, absorption and desiccant systems) as they are applied to buildings. The course uses the Chesapeake building facility and the campus cogeneration facility as real-life demonstration examples. Delivered via ITV.

0101	Yunho Hwang	Seats (Total: 30)
	MW 3:30pm - 4:45pm	KEB 2111

ENME430 **Fundamentals of Nuclear Power Engineering**

ENME430 *(PermReq)* **Fundamentals of Nuclear Power Engineering; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and permission of department. Principles of nuclear reactor engineering as applied to reactor cores. Topics in basic nuclear physics, neutron interactions, nuclear fission, neutron diffusion and moderation, continuity, criticality of steady state systems, and reactor kinetics.

0101	Robert Sanders	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	JMP 1202

ENME454 **Vehicle Dynamics**

ENME454 Vehicle Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ENME489V. The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Gregory Schultz	Seats (Total: 60)
	MW 5:00pm - 6:15pm	JMP 3201

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems. Delivered via ITV.

0101	Sami Ainane MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 20) EGR 2107 KEB 2111	 Discussion
0102	Sami Ainane MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 20) EGR 2107 KEB 2107	 Discussion
0201	Amr Baz MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 20) EGR 0135 EGR 0309	 Discussion
0202	Amr Baz MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 20) EGR 0135 EGR 0309	 Discussion

ENME470 **Finite Element Analysis**

ENME470 Finite Element Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 10:00am - 10:50am	Seats (Total: 40) KEB 2111

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Santiago Solares, Jaydev Desai TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 35) CHM 0115 EGL 0101	 Lab
0102	Santiago Solares, Jaydev Desai TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 36) CHM 0115 PHY 1219	 Lab

ENME473 **Mechanical Design of Electronic Systems**

ENME473 *(PermReq)* **Mechanical Design of Electronic Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME310; and ENME360; and ENME321. Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations. Delivered via ITV.

0101	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 2107
FS01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
SG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
TV01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME476 **Microelectromechanical Systems (MEMS) I**

ENME476 Mircoelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Credit will be granted for only one of the following: ENME476 or ENME489F. Formerly ENME489F. Fundamentals of microelectromechanical systems (MEMS). Introduction to transducers and markets. MEMS fabrication processes and materials, including bulk micromachining, wet etching, dry etching, surface micromachining, sacrificial layers, film deposition, bonding, and non-traditional micromachining. Introduction to the relevant solid state physics, including crystal lattices, band structure, semiconductors, and doping. The laboratory covers safety, photolithography, profilometry, wet etching.

0101	Don DeVoe	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EGR 0110

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489A **Special Topics in Mechanical Engineering; Air Pollution**

ENME489A *(PermReq)* **Special Topics in Mechanical Engineering: Air Pollution; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta	Seats (Total: 58)
	Th 4:00pm - 6:40pm	EGR 2107

ENME489B **Special Topics in Mechanical Engineering; Lean Six Sigma**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Lean Six Sigma; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department and completion of or concurrent enrollment in a Statistics course.

0101	David Bigio	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMZ 3205

ENME489G **Special Topics in Mechanical Engineering; Processing of Materials in Manufacturing**

ENME489G *(PermReq)* **Special Topics in Mechanical Engineering: Processing of Materials in Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME382 and permission of department.

0101	George Dieter	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EAB 0307

ENME489I **Special Topics in Mechanical Engineering; Computational Fluid Meachanics**

ENME489I Special Topics in Mechanical Engineering: Computational Fluid Meachanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENME271 and ENME331. Techniques for numerical simulation of fluid flow. Finite difference and finite volume schemes. Grid-free vortex methods. Computation of flow including heat and mass transfer. Basic fluency in MATLAB programming is required.

0101	Peter Bernard	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	EGR 1108

ENME489J **Special Topics in Mechanical Engineering; Production Management**

ENME489J *(PermReq)* **Special Topics in Mechanical Engineering: Production Management; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jeffrey Herrmann	Seats (Total: 42)
	MW 2:00pm - 3:15pm	CSS 1113

ENME489M **Special Topics in Mechanical Engineering; Manufacturing Automation**

ENME489M *(PermReq)* **Special Topics in Mechanical Engineering: Manufacturing Automation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Satyandra Gupta TuTh 2:00pm - 3:15pm	Seats (Total: 35) EGR 0108

ENME489P **Special Topics in Mechanical Engineering; Ship Design**

ENME489P *(PermReq)* **Special Topics in Mechanical Engineering: Ship Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Fu TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 3106

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

ENME489V *(PermReq)* **Special Topics in Mechanical Engineering: Mechanical Contracting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Arnold Woodall Th 8:00am - 10:40am	Seats (Total: 15) EGR 1110

ENME489Z **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

ENME489Z *(PermReq)* **Special Topics in Mechanical Engineering: Advanced Strength of Materials; (3 credits)** Grade Method: REG/AUD.

0101	Abhijit Dasgupta TuTh 9:30am - 10:45am	Seats (Total: 33) EGL 1202

ENME600 **Engineering Design Methods**

ENME600 Engineering Design Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours. Not open to students who have completed ENME 808F during Spring 1999 semester or the Fall 1996 semester..* An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 20) ITV 1100
FS01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME605 **Advanced Systems Control**

ENME605 Advanced Systems Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 403 or permission of instructor.* Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Nikhil Chopra MW 5:00pm - 6:15pm	Seats (Total: 30) EGR 0108

ENME610 **Engineering Optimization**

ENME610 Engineering Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate Standing or permission of instructor. 3 semester hours. Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project.

0101	Shapour Azarm MW 3:30pm - 4:45pm	Seats (Total: 30) EGR 3106

ENME631 **Advanced Conduction and Radiation Heat Transfer**

ENME631 Advanced Conduction and Radiation Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 700 or equivalent} or permission of instructor. Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang MW 3:30pm - 4:45pm	Seats (Total: 20) CHM 0122

ENME632 **Advanced Convection Heat Transfer**
Contact department for information to register for this course.

ENME640 **Fundamentals of Fluid Mechanics**

ENME640 Fundamentals of Fluid Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Partial differential equations at the level of MATH 462 or permission of department. Formerly ENME651. Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	Peter Bernard MW 2:00pm - 3:15pm	Seats (Total: 30) PHY 4220

ENME642 **Hydrodynamics I**

ENME642 Hydrodynamics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 640 or equivalent or permission of instructor. Formerly ENME653. Exposition of classical and current methods used in analysis of inviscid, incompressible flows.

0101	James Duncan TuTh 5:00pm - 6:15pm	Seats (Total: 25) EGR 0135

ENME662 **Linear Vibrations**

ENME662 Linear Vibrations; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 360 or equivalent or permission of instructor. Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

0101	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 30) ITV 1111
FS01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 25) ITV 1111

ENME670 **Continuum Mechanics**

ENME670 Continuum Mechanics; (3 credits) Grade Method: REG/AUD. Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.

0101	Teng Li TuTh 3:30pm - 4:45pm	Seats (Total: 30) CSI 3120

ENME680 **Experimental Mechanics**

ENME680 Experimental Mechanics; (3 credits) Grade Method: REG/AUD. *Prerequisite: undergraduate course in instrumentation or equivalent.* Advanced methods of measurement in solid and fluid mechanics. Scientific photography, moire, photoelasticity, strain gages, interferometry, holography, speckle, ndt techniques, shock and vibration, and laser anemometry.

0101	Bongtae Han TuTh 2:00pm - 3:15pm	Seats (Total: 25) CHE 2136

ENME690 **Mechanical Fundamentals of Electronic Systems**

ENME690 Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.
An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 2107
FS01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
SG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808K **Advanced Topics in Mechanical Engineering; Micro-Electro-Mechanical Systems I (MEMS I)**

ENME808K Advanced Topics in Mechanical Engineering: Micro-Electro-Mechanical Systems I (MEMS I); (3 credits) Grade Method: REG.
Also offered as ENME489F.

0101	Don DeVoe	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 0110

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Fall 2008

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU489 **Special Topics in Nuclear Engineering**

ENNU489 Special Topics in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU609 **Seminar in Nuclear Engineering**

ENNU609 Seminar in Nuclear Engineering; (1 credit) Grade Method: REG/AUD.

0101	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 25)

ENNU620 **Mathematical Techniques for Engineering Analysis and Modeling**

ENNU620 Mathematical Techniques for Engineering Analysis and Modeling; (3 credits) Grade Method: REG.

Also offered as ENRE 620. Probability and probability distributions; statistics; ordinary differential equations; linear algebra and vectors; Laplace transform; Fourier analysis; boundary value problems; series solutions to differential equations; partial differential equations; numerical methods. Also offered as ENMA 698M.

0101	Byeng Youn Th 10:00am - 12:40pm	Seats (Total: 40) EGR 2103
ER01	Byeng Youn Class time/details on ELMs	Seats (Total: 20) ONLINE
FS01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
HG01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
HT01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
RE01	Byeng Youn Contact instructor or department for details.	Seats (Total: 10)
SG01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
SM01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)

ENNU648 **Special Problems in Nuclear Engineering; Special Problems in Neuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering: Special Problems in Neuclear Engineering; (1-16 credits) Grade Method: REG/AUD.

0101	Aristos Christou	Seats (Total: 30)
	Contact instructor or department for details.	

ENNU648A **Special Problems in Nuclear Engineering; Reactor Operations**

ENNU648A Special Problems in Nuclear Engineering: Reactor Operations; (3 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly	Seats (Total: 20)
	Contact instructor or department for details.	

ENNU648B **Special Problems in Nuclear Engineering; Nuclear Fuel Cycle Safety**

ENNU648B Special Problems in Nuclear Engineering: Nuclear Fuel Cycle Safety; (3 credits) Grade Method: REG/AUD.

0101	Robert Sanders	Seats (Total: 20)
	Contact instructor or department for details.	

ENNU648E **Special Problems in Nuclear Engineering; Advanced Nuclear Reactor Systems: Physics and Engineering**

ENNU648E Special Problems in Nuclear Engineering: Advanced Nuclear Reactor Systems: Physics and Engineering; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

ENNU648K **Special Problems in Nuclear Engineering; Severe Nuclear Accidents**

ENNU648K Special Problems in Nuclear Engineering: Severe Nuclear Accidents; (3 credits) Grade Method: REG/AUD.

0101	Mahmoud Massoud	Seats (Total: 20)
	W 5:00pm - 8:00pm	CHE 2116

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU655 **Radiation Engineering**

ENNU655 Radiation Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of both department and instructor.* An analysis of such radiation applications as synthesizing chemicals, preserving foods, control of industrial processes, design of irradiation installations. E.G., Cobalt 60 gamma ray sources, electronuclear machine arrangement, and chemonuclear reactors.

0101	Mohamad Al-Sheikhly	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	EGR 1108

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Fall 2008

ENPM600 **Probability and Stochastic Processes for Engineers**

ENPM600 Probability and Stochastic Processes for Engineers; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate introduction to discrete and continuous probability.
Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM604 **Wireless Communication Networks**

ENPM604 Wireless Communication Networks; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 420 and ENEE 426. Issues in the design and analysis of wireless communication systems. Aspects of radio propagation, signal strength, multipath propagation, fading, diversity reception, cell shapes. Modulation and coding for the mobile radio channel including FDMA, TDMA, and CDMA. Multiaccess issues including frequency allocation, channel reuse, and power control. System level issues including traffic engineering, blocking, network design and optimization, channel allocation control, handoffs, mobility management, registration and tracking, signaling and user location database management. Examples of existing analog and emerging digital cellular standards.

0101	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Michael Hadjitheodosiou Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM609 **Microprocessor-Based Design**

ENPM609 Microprocessor-Based Design; (3 credits) Grade Method: REG/AUD.
Prerequisites: undergraduate logic design, computer architecture, and programming courses. Introduction to microprocessor components, software, and tools. Architectures, instruction sets, and assembly language programming for a commercial microprocessor family. Real-time programming techniques. Peripheral chips such as, parallel ports, counter-timers, DMA controllers, interrupt controllers, and serial communication units. Design projects emphasizing intergrated hardware and software solutions to engineering problems.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
TV01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM611 **Software Engineering**

ENPM611 Software Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: competency in one programming language. Credit will be granted for only one of the following: ENPM 611 or ENPM 808G. Formerly ENPM808G.* Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

HG01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM613 **Software Design & Implementation**

ENPM613 Software Design & Implementation; (3 credits) Grade Method: REG/AUD.
Prerequisite: An undergraduate software course, knowledge of C or C++ Programming. Credit will be granted for only one of the following: ENPM608 or ENPM613. Formerly ENPM608. Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.

0101	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM620 **Computer Aided Engineering Analysis**

ENPM620 *(PermReq)* **Computer Aided Engineering Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics.

0101	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Colin Marks M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM623 **Control of Combustion Generated Air Pollution**

ENPM623 Control of Combustion Generated Air Pollution; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENME 315 and ENME 321 or equivalent. Analysis of the sources and mechanisms of combustion generated air pollution. Air pollution due to internal combustion engines, power generation and industrial emissions. Techniques to minimize and control emission. Acid rain, ozone, plume analysis, scrubbing, filtering.

0101	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2103
FS01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM625 **Heating, Ventilation and Air Conditioning of Buildings**

ENPM625 Heating, Ventilation and Air Conditioning of Buildings; (3 credits)
Grade Method: REG/AUD.
Prerequisite: ENME 321 or equivalent. Low pressure side of buildings heating and cooling systems. Thermodynamics, heat transfer and digital control principles applied to field problems. Quantitative analyses stressed. Topics include psychometrics, thermal loads, incompressible flow in ducts and pipes, heat exchangers, cooling towers, PID control systems.

0101	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM627 **Environmental Risk Analysis**

ENPM627 Environmental Risk Analysis; (3 credits) Grade Method: REG/AUD. The fundamental methodology for analyzing environmental risk is described with examples for selected applications. Key elements of the environmental risk methodology include: (1) source term and release characterization, (2) migration of contaminants in various media, (3) exposure assessment, (4) dose-response evaluation, (5) risk characterization, and (6) risk management. Also included will be an introduction to uncertainty analysis and environmental laws and regulations. It is intended to provide students with the basic skills and knowledge needed to manage, evaluate, or perform environmental risk assessments and risk analyses.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM637 **Biological Principles of Environmental Engineering**

ENPM637 Biological Principles of Environmental Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. An examination of biological principles directly affecting society and the environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Ching-Tzone Tien Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM641 **Systems Concepts, Issues, and Processes**

ENPM641 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENSE621. Credit will be granted for only one of the following: ENPM641 or ENSE621. This course (along with ENSE622/ENPM642) is an introduction to the professional and academic aspects of systems engineering. Topics incude models of system lifecycle development, synthesis and design of engineering systems, abstract system representations, visual modeling and unified modeling language (UML), introduction to requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design.

0101	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 41) EGR 2107

ENPM643 **Systems Projects, Validation and Verification**

ENPM643 *(PermReq)* **Systems Engineering Design Project; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE622 and permission of department. Also offered as ENSE622. Credit will be granted for only one of the following: ENPM642 or ENSE622. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Students will work in teams on semester-long projects in systems engineering design, using the modeling framework developed in the preceding two courses in the sequence to explore system designs that are subjected to various forms of testing. Student will be using all of the concepts from prior courses, as well as topics introduced in this class including validation and verification, model checking, testing, and integration.

0101	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 25) CSI 3117

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 25) EAB 0307
FS01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 2) EAB 0307

HG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) EAB 0307
HT01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) EAB 0307
SG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) EAB 0307
SM01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) EAB 0307

ENPM663 **Introduction to Kinetics of Reactions in Materials**

ENPM663 Introduction to Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 461. The thermodynamics of solid solutions, free energy and phase diagrams, thermodynamics of interfaces, concepts of kinetics are introduced. Diffusion in solids, nucleation kinetics and kinetics of composition invariant solid-solid interface migration are reviewed. The growth of phases and cellular segregation are also introduced. Also offered as ENMA 471.

0101	Manfred Wuttig TuTh 2:00pm - 3:15pm	Seats (Total: 15) CHE 2116

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808Q **Advanced Topics in Engineering; Chemistry of Energetic Materials**

ENPM808Q Advanced Topics in Engineering: Chemistry of Energetic Materials; (3 credits) Grade Method: REG/AUD.

PE01	Joseph Mannion Class time/details on ELMs	Seats (Total: 15) ONLINE

ENPM808V **Advanced Topics in Engineering; Principles of Radar I**

ENPM808V Advanced Topics in Engineering: Principles of Radar I; (3 credits) Grade Method: REG/AUD.

0101	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Menachem Levitas W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808Z **Advanced Topics in Engineering; Strategies for Managing Innovation**

ENPM808Z Advanced Topics in Engineering: Strategies for Managing Innovation; (3 credits) Grade Method: REG/AUD.

0101	Thomas Mierzwa W 6:00pm - 8:40pm	Seats (Total: 25) EGR 1104

ENPP Engineering and Public Policy Fall 2008

ENPP610 **MEPP Capstone**

ENPP610 *(PermReq)* **MEPP Capstone; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of MEPP Program; completion of or co-registration of ENCE611. MEPP Students, in the last year of their program, will learn case study methods of analysis as they relate to issues of engineering and public policy, through case studies on pressing issues in areas such as environment, national security, biotechnology, energy, infrastructure, development and manufacturing. The course will begin by review of case study methods and analysis. This will be followed by addressing case studies selected by the instructor.

0101	Barry Koh	Seats (Total: 15)
	W 3:30pm - 6:15pm	VMH 1415

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Deborah Goodings, Matthias Ruth	Seats (Total: 8)
	Contact instructor or department for details.	

ENPP620 **Contemporary Water Resources Management**

ENPP620 Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as ENCE688J and PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway	Seats (Total: 20)
	M 5:00pm - 7:35pm	EGR 1102

ENRE Reliability Engineering Fall 2008

ENRE445 **Applied Reliability Engineering I**

ENRE445 Applied Reliability Engineering I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270 and 271 (Formerly: PHYS263), or permission of instructor. Credit will be granted for only one of the following: ENRE445 or ENRE489C. Formerly ENRE489C. Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis and applicable quality techniques. Distribution functions such as the normal, Weibull, exponential, binomial, and gamma are explored.

0101	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 35) EGR 2103
ER01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HT01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 10) Location: TBA
SG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Reliability Engineering**

ENRE600 Reliability Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 620. Organization, management and communication concepts in reliablity engineering. Mechanisms and physics of failure, methods for failure-rate determination. Methods of design for reliability and maintainability. Life cycle costing and equipment sparing policies. Measuring reliability for improvement. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Aristos Christou MW 3:30pm - 4:45pm	Seats (Total: 40) CHE 2118
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE602 **Reliability Analysis**

ENRE602 Reliability Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 620. Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 35) EGR 2103
ER01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

HT01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 10) Location: TBA
SG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE620 **Mathematical Techniques of Reliability Engineering**

ENRE620 Mathematical Techniques of Reliability Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as ENNU 620. Basic probability and statistics (required for ENRE 600 and ENRE 602). Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students. Also offered as ENMA 698M.

0101	Byeng Youn Th 10:00am - 12:40pm	Seats (Total: 40) EGR 2103
ER01	Byeng Youn Class time/details on ELMs	Seats (Total: 20) ONLINE
FS01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
HG01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
HT01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
RE01	Byeng Youn Contact instructor or department for details.	Seats (Total: 10)

SG01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)
SM01	Byeng Youn Contact instructor or department for details.	Seats (Total: 5)

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE642 **Reliability Engineering Management**
Contact department for information to register for this course.

ENRE646 **Maintainability Engineering**
Contact department for information to register for this course.

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648A **Special Problems in Reliability Engineering; Mechanical Fundamentals of Electronic Systems**

ENRE648A Special Problems in Reliability Engineering: Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.

0101	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 2107
ER01	Patrick McCluskey Class time/details on ELMs	Seats (Total: 5) ONLINE
FS01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

HT01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
SG01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENRE655 **Advanced Methods in Reliability Modeling**
Contact department for information to register for this course.

ENRE670 **Risk Assessment for Engineers I**

ENRE670 Risk Assessment for Engineers I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 602. Also offered as ENNU 651. Credit will be granted for only one of the following: ENNU 651 or ENRE 670.* Why study risk, sources of risk, probabilistic risk assessment procedure, factors affecting risk acceptance, statistical risk acceptance analysis, psychometric risk acceptance, perception of risk, comparison or risks, consequence analysis, risk benefit assessment. Risk analysis performed for light water reactors, chemical industry, and dams. Class projects on risk management concepts.

0101	Ali Mosleh M 10:00am - 12:40pm	Seats (Total: 25) EGR 2103
ER01	Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE
HG01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
HT01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
RE01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 10)

SG01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
SM01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)

ENRE682 **Software Reliability and Integrity**

ENRE682 Software Reliability and Integrity; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: ENRE 682 or ENRE 732. Formerly ENRE732.* Defining software reliability, initiatives and standards on software reliability, inherent characteristics of software which determine reliability, types of software errors, structured design, overview of software reliability models, software fault tree analysis, software redundancy, automating tools for software reliability protypes and real time software reliability.

FS01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
HG01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
HT01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
RE01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
SG01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
SM01	Steven Arndt M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA

ENRE684 **Information Security**

ENRE684 Information Security; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENRE 648J or ENRE 684. Formerly ENRE648J. This course is divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.

0101	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 25) EGR 2103
ER01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 10) ONLINE
FS01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 5) Location: TBA
HG01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 5) Location: TBA
HT01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 5) Location: TBA
RE01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 10) Location: TBA
SG01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 5) Location: TBA
SM01	Michel Cukier Tu 2:00pm - 4:30pm	Seats (Total: 5) Location: TBA

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2008

ENSE621 **Systems Concepts, Issues, and Processes**

ENSE621 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENPM641. Credit will be granted for only one of the following: ENPM641 or ENSE621. This course (along with ENSE622/ENPM642) is an introduction to the professional and academic aspects of systems engineering. Topics incude models of system lifecycle development, synthesisand design of engineering systems, abstract system representations, visual modeling and unified modeling language (UML), introduction to requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design.

0101	Jerome Gansman	Seats (Total: 41)
	M 7:00pm - 9:40pm	EGR 2107

ENSE623 **Systems Projects, Validation and Verification**

ENSE623 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE 622 and permission of department. Also offered as ENPM643. Credit will be granted for only one of the following: ENPM643, ENSE 610 or ENSE 623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Students will work in teams on semester-long projects in systems engineering design, using the modeling framework developed in the preceding two courses in the sequence to explore system designs that are subjected to various forms of testing. Student will be using all of the concepts from prior courses, as well as topics introduced in this class including validation and verification, model checking, testing, and integration.

0101	Mark Austin	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	CSI 3117

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. Credit will be granted for only one of the following: ENSE611 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean	Seats (Total: 25)
	W 7:00pm - 9:40pm	EAB 0307

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Fall 2008

ENSP101 **Introduction to Environmental Science**

ENSP101 Introduction to Environmental Science; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Not open to students who have completed BSCI235 or PBIO205. One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Bruce James MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) EGR 1202 EGR 0110	 Discussion
0102	Bruce James MWF 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) EGR 1202 EGR 3102	 Discussion
0103	Bruce James MWF 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) EGR 1202 EGL 1204	 Discussion
0104	Bruce James MWF 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 6) EGR 1202 EGL 1202	 Discussion
0105	Bruce James MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) EGR 1202 EGR 3102	 Discussion
0106	Bruce James MWF 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 5) EGR 1202 EGR 1102	 Discussion
0107	Bruce James MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 14) EGR 1202 SYM 0209	 Discussion

ENSP101U **Introduction to Environmental Science**

ENSP101U Introduction to Environmental Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to students who have completed BSCI235 or PBIO205.

0104	Bruce James MWF 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 0) EGR 1202 EGL 1202	 Discussion
0106	Bruce James MWF 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 0) EGR 1202 EGR 1102	 Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102. Junior standing. Credit will be granted for only one of the following: ENSP330 or ENSP399A. Formerly ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Margaret Giblin TuTh 5:00pm - 6:15pm	Seats (Total: 35) SYM 0200

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: internship proposal approved by the specialty advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399E **Special Topics in Environmental Science and Policy; EcoHouse: Colloquium I**

ENSP399E *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Colloquium I; (2 credits)** Grade Method: REG/P-F.
Restricted to EcoHouse Living-Learning Program.

0101	Becky Archer Tu 6:00pm - 8:00pm W 12:00pm - 1:00pm	Seats (Total: 30) Location: TBA Location: TBA	 Discussion
0102	Becky Archer Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 30) Location: TBA	

ENSP399I **Special Topics in Environmental Science and Policy; EcoHouse: Internship**

ENSP399I *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Internship; (1-2 credits)** Grade Method: REG/P-F.

0101	Wendy Whittemore Contact instructor or department for details.	Seats (Total: 10)

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 Capstone in Environmental Science and Policy; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James, Benjamin Schapiro TuTh 3:30pm - 4:45pm	Seats (Total: 35) SYM 0215

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology — Fall 2008

ENST100 **International Crop Production-Issues and Challenges in the 21st Century**

Courses formerly listed under the heading Natural Resource Sciences (NRSC) can now be found under two different program prefixes.
NRSC courses about Plants are now offered by the Department of Plant Science and Landscape Architecture and can be found under "PLSC".
NRSC courses about Soils are now offfered by the Department of Environmental Science and Technology and can be found under "ENST" along with new environmental science courses.
Thank you for your interest!

ENST100 International Crop Production-Issues and Challenges in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. *Credit will be granted for only one of the following: ENST100 or NRSC100. Formerly NRSC100.* Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.

0101	Prabahkar Tamboli MWF 11:00am - 11:50am	Seats (Total: 36) PLS 1111	

ENST105 **Soil and Environmental Quality**

ENST105 Soil and Environmental Quality; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: ENST105 or NRSC105. Formerly NRSC105. Soil as an irreplaceable natural resource, the importance of soils in the ecosystem, soils as sources of pollution, and soils as the media for the storage, assimilation or inactivation of pollutants. Acid rain, indoor radon, soil erosion and sedimentation, nutrient pollution of waters, homeowners' problems with soils, and the effect of soils on the food chain.

0101	Raymond Weil TuTh 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) HJP 0226 HJP 1104	 Discussion
0102	Raymond Weil TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 HJP 1104	 Discussion

0103	Raymond Weil TuTh 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 25) HJP 0226 HJP 1229	 Discussion
0104	Raymond Weil TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 HJP 1104	 Discussion
0105	Raymond Weil TuTh 2:00pm - 2:50pm W 5:00pm - 5:50pm	Seats (Total: 25) HJP 0226 HJP 1104	 Discussion
0106	Raymond Weil TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 25) HJP 0226 HJP 1229	 Discussion

ENST214 **Introduction to Fish and Wildlife Sciences**

ENST214 Introduction to Fish and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: A course in Biology or permission of instructor. Lectures, discussion, and readings in social, biological, and human dimension issues facing fisheries and wildlife biologists and natural resource managers in the United States. Coverage will include history and philosophical discussions of fish and wildlife sciences; conversation and management; principles of community, habitat, and animal ecology and management; and interrelations of wildlife, fish, and forestry.

0101	Reginal Harrell TuTh 12:30pm - 1:45pm	Seats (Total: 33) ANS 0412	

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.
How humans are affected by the quality of air, water, and food as well as how humans affect these survival necessities are examined. Students will learn how the evolution and prosperity of the human species has resulted in concerns about pollution, overpopulation, and other issues that are having a harmful effect on humans and our environment.

0101	Frank Coale, Lance Yonkos	Seats (Total: 40)
	MWF 10:00am - 10:50am	HJP 1104

ENST308 **Field Soil Morphology**

ENST308 Field Soil Morphology; (1-2 credits) Grade Method: REG/P-F/AUD.

0101	Brian Needelman	Seats (Total: 20)
	Contact instructor or department for details.	

ENST333 **Ecosystem Health and Protection**

ENST333 Ecosystem Health and Protection; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: ENST499A or ENST333. Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on sustainability and degradation associated with human activities. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Daniel Fisher	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST373 **Natural History of the Chesapeake Bay**

ENST373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Formerly ENST499G. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota. Also offered as ENST373. Credit will be granted for only one of the following: BSCI373, ENST373, or ENST499G.

0101	Patrick Kangas	Seats (Total: 75)
	MWF 3:00pm - 3:50pm	ANS 0408

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 15)
	Contact instructor or department for details.	

ENST398 **Seminar**

ENST398 *(PermReq)* **Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 5)
	W 4:00pm - 4:50pm	ANS 0408

ENST414 **Soil Morphology, Genesis and Classification**

ENST414 Soil Morphology, Genesis and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST414 or NRSC414. Formerly NRSC414. Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MWF 9:00am - 9:50am	HJP 1104	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST417 **Soil Hydrology and Physics**

ENST417 Soil Hydrology and Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENST200 (formerly NRSC200) and a course in physics; or permission of department. Credit will be granted for only one of the following: ENST417 or NRSC417. Formerly NRSC417. A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HJP 1104

ENST427 **Nonpoint Source Pollution Assessment Techniques**

ENST427 Nonpoint Source Pollution Assessment Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in hydrology or permission of department. Also offered as ENBE462. Credit will be granted for only one of the following: ENBE462 or ENST427. Various techniques to measure non-point source pollution, quantify mass transport, and statistically evaluate water quality criteria. Primary focus is on agriculture and water, but urban NPS pollution is addressed. Also offered as ENBE462. Credit will granted for only one of the following: ENBE462 or ENST427.

0101	Gary Felton	Seats (Total: 15)
	TuTh 9:30am - 10:45am	ANS 0422

ENST441 **Sustainable Agriculture**

ENST441 Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENST441 or NRSC441. Formerly NRSC441. Environmental, social and economic needs for alternatives to the conventional, high-input farming systems which currently predominate in industrial countries. Strategies and practices that minimize the use of non-renewable resources. Participation in two Saturday field trips is required.

0101	Raymond Weil	Seats (Total: 39)
	TuTh 5:00pm - 6:15pm	HJP 1104

ENST444 **Restoration Ecology**

ENST444 Restoration Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Credit will be granted for only one of the following: ENST444, NRMT489F, or NRMT444. Formerly NRMT489F. Discussion of the philosophies, principles, and practices of ecosystem restoration. Presentation of restoration case histories include wetlands, lakes, streams, coastal systems, mined lands, and new ecosystems.

0101	David Tilley	Seats (Total: 46)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST450 **Wetland Ecology**

ENST450 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301 or permission of department. Also offered as MEES650. Credit will be granted for only one of the following: ENST450, NRMT450, or MEES650. Formerly NRMT450. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 0422	
	Th 2:00pm - 5:50pm	ANS 0538	Lab

ENST461 **Urban Wildlife Management**

ENST461 Urban Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Two lectures per week.. Credit will be granted for only one of the following: ENST461 or NRMT461. Formerly NRMT461. Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations. One Saturday field trip is scheduled.

0101	Lowell Adams	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	ANS 0412	

ENST470 **Natural Resources Management**

ENST470 *(PermReq)* **Natural Resources Management; (4 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
85 semester hours. For NRMT and ENST majors only. Field work and independent research on watersheds. Intensive seminar on resource management planning and report preparation. Offered Fall semester only.

0101	Patrick Kangas	Seats (Total: 20)	
	MW 12:00pm - 2:00pm	ANS 0538	

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST608 **Research Methods**

Contact department for information to register for this course.

ENST641 **Sustainable Agriculture**

ENST641 Sustainable Agriculture; (3 credits) Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 39)
	TuTh 5:00pm - 6:15pm	HJP 1104

ENST689J **Special Topics; Soil Biochemistry and Microbiology**

ENST689J Special Topics: Soil Biochemistry and Microbiology; (3 credits) Grade Method: REG/AUD.

0101	Bruce James	Seats (Total: 25)
	TuTh 9:30am - 10:45am	HJP 1104

ENST689X **Special Topics; Methods in University Teaching**

ENST689X Special Topics: Methods in University Teaching; (1-3 credits) Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 10)
	Contact instructor or department for details.	

ENST761 **Methods in Pedological Investigations**

ENST761 Methods in Pedological Investigations; (4 credits) Grade Method: REG/AUD.
Prerequisite: ENST414 (formerly NRSC414) or permission of department. Credit will be granted for only one of the following: ENST761 or NRSC761. Formerly NRSC761.
This is designed to equip students with analytical tools for soil microfabric and mineralogical analysis in order to understand soil properties and processes. A number of techniques will be discussed, but emphasis will be placed on micromorphology and x-ray diffractometry. Both theoretical and applied considerations will be convered, and students will gain substantial hands on experience in collecting and interpreting data germane to their research interests.

0101	Martin Rabenhorst	Seats (Total: 10)	
	MW 8:00am - 8:50am MW 12:00pm - 3:00pm	HJP 0210 Location: TBA	Lab

ENST789 **Advances in Research**
Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Martin Rabenhorst	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Fall 2008

ENTM622 **Principles of Systematic Entomology**

ENTM622 Principles of Systematic Entomology; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTM 421. The principles of systematics including traditional classification methods, cladistics, and numerical taxonomy. Nomenclature, continental drift, and speciation theory. A laboratory problem in systematics is required.

0101	Charles Mitter	Seats (Total: 20)
	TuTh 9:30am - 10:50am	PLS 4102

ENTM699 **Advanced Entomology**

ENTM699 *(PermReq)* **Advanced Entomology; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM701 **Effective Teaching: TA Training**

ENTM701 *(PermReq)* **Effective Teaching: TA Training; (1 credit)** Grade Method: REG.
A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.

0101	Bretton Kent	Seats (Total: 20)
	Tu 6:00pm - 8:00pm	BPS 1208

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Raymond StLeger	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM789 **Field Experience in Pest Management**

ENTM789 Field Experience in Pest Management; (1-6 credits) Grade Method: REG/AUD.

0101	Galen Dively	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM798N **Topic Seminar; Adventures in Extension**

ENTM798N Topic Seminar: Adventures in Extension; (1 credit) Grade Method: REG/AUD.

0101	Michael Raupp	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM798T **Topic Seminar; Seminar in Insect Molecular Biology**

ENTM798T Topic Seminar: Seminar in Insect Molecular Biology; (1 credit) Grade Method: REG/AUD.

0101	Jian Wang	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798V **Topic Seminar; Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology**

ENTM798V Topic Seminar: Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 20)	
	Th 11:30am - 1:30pm	BPS 1232	

ENTM798W **Topic Seminar; Sexual Conflict in Arthropods**

ENTM798W Topic Seminar: Sexual Conflict in Arthropods; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Shultz	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM798Z **Topic Seminar; Exploring Plant Protection**

ENTM798Z Topic Seminar: Exploring Plant Protection; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Fall 2008

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG.
Economic analysis in telecommunications: the demand for services, the nature of production, competition, optimal pricing, and alternative regulatory options. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Joseph Bailey Tu 2:00pm - 4:45pm	Seats (Total: 50) VMH 1520
0201	Joseph Bailey Tu 5:30pm - 8:15pm	Seats (Total: 50) VMH 1520

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG.
Prerequisite: MATH 241 and ENEE 324 or equivalent. The aim of this course is to introduce management science techniques for informed decision making. Topics covered will include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Robert Hoffman Th 5:30pm - 8:15pm	Seats (Total: 35) VMH 1303
0201	Subramanian Raghavan W 2:00pm - 4:45pm	Seats (Total: 35) VMH 1411

ENTS640 **Telecommunication Networks**

ENTS640 Telecommunication Networks; (3 credits) Grade Method: REG/AUD. An overview of design issues and the important industry standards for digital communications networks. The course covers the basic principles of communication networks includi ng open system interconnect (OSI) and the concept of layered communicati on, physical layer communication, digital communication schemes, multius er communication, basic principles of TDM, FDM, CDMA, parity, checksum, error correction, basic queuing concepts, operation of differnet types o f LANs, principles of routing, and different routing algorithms such as link-state and distance vector, comparison of packet switching and circu it-switching, TCP/IP protocol suite, IPV4, IPV6, transmission control pr otocol (TCP), congestion control in TCP, active queue management, random early drop (RED), Internet control messages protocol (ICMP), user datagr am protocol (UDP), and routing in the internet.

0101	Mehdi Kalantari Khandani F 5:30pm - 8:15pm	Seats (Total: 40) SKN 0104

ENTS657 **Satellite Communication Systems**

ENTS657 Satellite Communication Systems; (3 credits) Grade Method: REG. *Formerly ENTS689S.* This course will examine satellite telecommunication systems with an emp hasis on the mobile satellite system (MSS). Topics will include a histor ical perspective, orbital mechanics and constellations, choice of orbita l parameters, propagations considerations, link budgets, interference is sues and other obstacles, and existing and proposed mobile satellite sys tems. The course will also look at some of the business aspects such as the cost of deploying and maintaining these systems.

0101	Michael Dellomo W 5:30pm - 8:15pm	Seats (Total: 50) EGR 1108

ENTS688A **Special Topics; Cryptography and Information Security**

ENTS688A Special Topics: Cryptography and Information Security; (1 credit) Grade Method: REG/AUD.
Click here for more course information.

0101	Thomas Clancy **Meets September 2, 2008 - October 3, 2008** Th 5:30pm - 8:15pm	Seats (Total: 5) CSI 3120

ENTS688B **Special Topics; Systems Security**

ENTS688B Special Topics: Systems Security; (1 credit) Grade Method: REG/AUD. Click here for more course information.

0101	Nick Petroni	Seats (Total: 5)
	Meets October 9, 2008 - October 30, 2008	
	Th 5:30pm - 8:15pm	CSI 3120

ENTS688C **Special Topics; Network Security**

ENTS688C Special Topics: Network Security; (1 credit) Grade Method: REG/AUD. Click here for more course information.

0101	Aaron Walters	Seats (Total: 5)
	Meets November 6, 2008 - December 4, 2008	
	Th 5:30pm - 8:15pm	CSI 3120

ENTS689A **Special Topics; PCS/AWS System Implementation**

ENTS689A Special Topics: PCS/AWS System Implementation; (3 credits) Grade Method: REG.
Restricted to ENTS majors. All non-majors will need to obtain department permission. This course will examine engineering issues associated with designing an d deploying a PCS cellular wireless communications system in the current world environment. The course will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering practice to overcome obstacles. Students will cr eate and modify moch deployments using professional tools for cell plann ing and interference analysis. Students will also be exposed to drive te sting tools and concepts for migration to future technologies (3G and be yond).

0101	Michael Dellomo	Seats (Total: 40)
	Tu 5:30pm - 8:15pm	CHM 0119

ENTS689E **Special Topics; Advanced Wireless Communications Networks**

ENTS689E Special Topics: Advanced Wireless Communications Networks; (3 credits) Grade Method: REG.
Prerequisites: ENTS689A or ENTS656. This course presents some of the key concepts and technologies used in t he design of third generation (3G/3G+) wireless networks and standards. The course starts with an overview of CDMA concepts and technologies fol lowed by detailed discussion on their implementation in 2G/IS95 CDMA net works. The course then presents new concepts adn methodologies adopted i n the third generation wireless network and systems to efficiently suppo rt high speed multimedia high-speed data traffic.

0101	Kamran Etemad Th 5:30pm - 8:15pm	Seats (Total: 40) CSS 2428

ENTS689I **Special Topics; Network Immunity**

ENTS689I Special Topics: Network Immunity; (3 credits) Grade Method: REG.
The course is practically oriented towards the knowledge and skills for secure operation of systems and networks. The course will be composed of three segments. The first segment is an overview of cryptography protoc ols and security algorithms. The second segment is focused on immunity o f individuals machines or systems. The third segment covers immunity of networks to attacks and threats.

0101	Thomas Clancy, Aaron Walters, Nick Petroni Th 5:30pm - 8:15pm	Seats (Total: 25) CSI 3120

ENTS689K **Special Topics; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG.
Department permission required.

0101	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689O **Special Topics; The Global Economic Environment**

ENTS689O Special Topics: The Global Economic Environment; (3 credits) Grade Method: REG.
This course is entended to provide the future manager, particularly in t he telecommunications industry, with the tools necessary to intelligentl y interpret the national and international economic environment includin g the impact of economic policies on the economy and the film. The cours e develops basic macroeconomic theory to enable managers to critically e valuate economic forecast and policy recommendations and then applies th ese concepts in a series of case studies.

0101	Jahangir Boroumand	Seats (Total: 35)
	M 5:30pm - 8:15pm	VMH 1418

ENTS689V **Special Topics; Voice over Internet Protocol (VoIP)**

ENTS689V Special Topics: Voice over Internet Protocol (VoIP); (3 credits) Grade Method: REG.
Click here for detailed course description.

0101	Majid Raissi-Dehkordi	Seats (Total: 40)
	M 5:30pm - 8:15pm	EGR 1104
	This course explains the basic concepts of telephony and its traditional operation. Click here for more information.	

ENTS699 **Independent Study in Telecommunications**

ENTS699 *(PermReq)* **Independent Study in Telecommunications; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB Epidemiology and Biostatistics Fall 2008

EPIB610 **Foundations of Epidemiology**

EPIB610 Foundations of Epidemiology; (3 credits) Grade Method: REG/AUD. *Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720.* Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Irene Prabhu Das Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

EPIB612 **Epidemiologic Study Design**

EPIB612 Epidemiologic Study Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: EPIB610, EPIB611, and EPIB650.* Application of epidemiologic study designs, analytic methods used for analysis of cohort, case-control, cross-sectional, and clinical trials research.

0101	Sungsug Yoon M 7:00pm - 9:45pm	Seats (Total: 20) SPH 0302

EPIB622 **Social Determinants of Health**

EPIB622 Social Determinants of Health; (3 credits) Grade Method: REG/AUD. *Prerequisite: EPIB610.* Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.

0101	Sunmin Lee Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301

EPIB650 **Biostatistics I**

EPIB650 Biostatistics I; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B.* Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Tao Xiao W 7:00pm - 9:45pm	Seats (Total: 25) SPH 0302

EPIB652 **Categorical Data Analysis**

EPIB652 Categorical Data Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Methods for the analysis of categorical data as applied to public health research, including variables with two or more categories, analysis of data structures that are counted, ordered, censored, or subjecto to selection.

0101	Tongtong Wu	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	SPH 0302

EPIB654 **Clinical Trial Analysis**

EPIB654 Clinical Trial Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Principles of clinical trial design, including randomization strategies, design and analytic issues to minimize threats to validity, sample size and power calculations, intention to treat analyses.

0101	Vance Berger	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0302

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FALL Fall Fall 2008

FALL011 **Instructional Consultation Summer Institute**

FALL011 Instructional Consultation Summer Institute; (No CEU'S) Grade Method: NGI.

9101	Todd Gravois	Seats (Total: 0)
	Contact instructor or department for details.	

FMSC Family Science Fall 2008

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Jaslean La Taillade	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	ARM 0112

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290.* Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	Manouchehr Mokhtari	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	MMH 1400

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katherine Speirs Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 40) MMH 1400 MMH 1400	 Discussion
0102	Katherine Speirs Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 40) MMH 1400 Location: TBA	 Discussion

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/AUD.
Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Christine Schull TuTh 9:30am - 10:45am	Seats (Total: 40) MMH 1304
0201	Leigh Leslie TuTh 2:00pm - 3:15pm	Seats (Total: 60) MMH 1304

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Kate Riera TuTh 11:00am - 12:15pm	Seats (Total: 45) MMH 1304

0201	Laura Evans MWF 12:00pm - 12:50pm	Seats (Total: 52) MMH 1304
0301	Lisa Benson MWF 1:00pm - 1:50pm	Seats (Total: 52) MMH 1304

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) MMH 1400
0201	Jinhee Kim TuTh 9:30am - 10:45am	Seats (Total: 50) ARM 0110

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Colleen Vesely MWF 9:00am - 9:50am	Seats (Total: 50) MMH 1400
0201	Kevin Roy TuTh 3:30pm - 4:45pm	Seats (Total: 50) MMH 1304

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Megan Fitzgerald MWF 11:00am - 11:50am	Seats (Total: 40) MMH 1304

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC399M **Independent Study; Principles and Practices of Mediation**

FMSC399M Independent Study: Principles and Practices of Mediation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Brimhall TuTh 11:00am - 12:15pm	Seats (Total: 20) MMH 1402

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger TuTh 12:30pm - 1:45pm	Seats (Total: 61) MMH 1400

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 10:00am - 10:50am	Seats (Total: 40) MMH 1304
0201	Jacqueline Wallen MWF 12:00pm - 12:50pm	Seats (Total: 40) MMH 0108

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Elise Resnick MWF 9:00am - 9:50am	Seats (Total: 50) MMH 1304

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMST majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. LAB/TBA: Internship component-meeting based on students' schedules.

0101	Ashley Downing W 3:00pm - 4:30pm Contact instructor or department for details.	Seats (Total: 30) MMH 1400

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 9:30am - 10:45am	Seats (Total: 50) SYM 0200
0201	Kerry Tripp TuTh 12:30pm - 1:45pm	Seats (Total: 50) MMH 0108

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal, Child and Family Health**

FMSC498A Special Topics: Family Science: Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jacqueline Wallen MWF 2:00pm - 2:50pm	Seats (Total: 40) MMH 0108

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC600 **Family Theories**

FMSC600 Family Theories; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC600 or FMST600. Formerly FMST600. An overview of the theoretical frameworks underlying research on the family. Survey of research findings.

0101	Kevin Roy	Seats (Total: 25)
	Th 9:00am - 11:45am	MMH 1108A

FMSC606 **Ethnic Families and Health Disparities**

FMSC606 Ethnic Families and Health Disparities; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC606 or FMST606. Formerly FMST606. Historical, psychosocial, economic, and political factors influencing the structure and functioning of ethnic families. Overview of racial and ethnic health disparities over the life course and ways in which they are influenced by multi-level contextual factors.

0101	Paula Goodwin	Seats (Total: 15)
	Tu 2:00pm - 4:45pm	MMH 1108A

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: FMST604. Credit will be granted for only one of the following: FMSC610 or FMST610. Formerly FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Norman Epstein	Seats (Total: 15)
	Th 2:00pm - 4:45pm	MMH 1108A

FMSC640 **Family Therapy: Theory and Techniques**

FMSC640 *(PermReq)* **Family Therapy: Theory and Techniques; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC640 or FMST640. Formerly FMST640. Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Carol Werlinich	Seats (Total: 11)
	M 10:00am - 12:45pm	MMH 1402

FMSC642 **Normal and Abnormal Individual and Family Development**

FMSC642 *(PermReq)* **Normal and Abnormal Individual and Family Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST640. Credit will be granted for only one of the following: FMSC642 or FMST642. Formerly FMST642. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Jaslean La Taillade	Seats (Total: 20)
	Th 9:00am - 11:45am	MMH 1310

FMSC650 **Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

FMSC650 *(PermReq)* **Ethical, Legal, and Professional Principles in Marriage and Family Therapy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC650 or FMST650. Formerly FMST650. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101	Norman Epstein	Seats (Total: 25)
	Tu 9:00am - 11:45am	MMH 1108A

FMSC652 **Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC/FMST651. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC652 or FMST652. Formerly FMST652. Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).

0101	Leigh Leslie Tu 9:00am - 11:45am	Seats (Total: 20) MMH 1310

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy; (1-2 credits)** Grade Method: S-F.
Prerequisite: FMST 650 and permission of instructor.

0101	Norman Epstein W 9:00am - 12:00pm	Seats (Total: 8) Location: TBA
0102	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 8) Location: TBA
0103	Instructor: TBA W 9:00am - 12:00pm	Seats (Total: 8) Location: TBA
0104	Instructor: TBA W 9:00am - 12:00pm	Seats (Total: 8) Location: TBA
0105	Instructor: TBA W 9:00am - 12:00pm	Seats (Total: 8) Location: TBA

FMSC689 **Internship**

FMSC689 *(PermReq)* **Internship; (3 credits)** Grade Method: REG/AUD.

0101	Sally Koblinsky Contact instructor or department for details.	Seats (Total: 5)

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC710 **Foundations in Maternal and Child Health**

FMSC710 Foundations in Maternal and Child Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC710 or FMST710. Formerly FMST710. Overview of key health issues for various maternal and child health populations, especially those within the US. Review of maternal and child health databases and major programs and public policies aimed at improving the health of mothers, children, adolescents, and their families.

0101	Edmond Shenassa	Seats (Total: 10)
	M 1:00pm - 3:45pm	MMH 1310

FMSC750 **Family and Health Policy**

FMSC750 Family and Health Policy; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC750 or FMST750. Formerly FMST750. Development and analysis of public policies affecting the health and well being of children, youth, and families, with an emphasis on low income and ethnic minority populations. Examiniation of social, economic, and political dynamics that influence family and health policies and the delivery of health care. Introduction to health advocacy within the US public health system.

0101	Elaine Anderson	Seats (Total: 15)
	Th 1:00pm - 3:45pm	MMH 1310

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC850 **Maternal & Child Health Epidemiology**

FMSC850 Maternal & Child Health Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC850, FMST698P, or FMST850. Formerly FMST850. Determinants and trends in Maternal and Child Health, including analysis of the role of economic inequalities, race and ethnicity, community contexts, and psychosocial factors across the life course. Overview of methods and data systems used to monitor Maternal and Child Health. Development of a complete population health study.

0101	Sandra Hofferth	Seats (Total: 15)
	M 2:00pm - 4:45pm	MMH 1108A

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Fall 2008

FOLA138A **Directed Study of a Foreign Language I; Hungarian I**

MODERN GREEK COURSES ARE NOW LISTED UNDER THE GREK PREFIX OFFERED BY THE CLASSICS DEPARTMENT INSTEAD OF THE FOLA PREFIX OFFERED UNDER THE SCHOOL OF FOREIGN LANGUAGES.

SELF-INSTRUCTIONAL LANGUAGE PROGRAM. The program is essentially self-instructional and enrollment is strictly limited. The student supplies a blank tape and receives a recorded tape with the week's lesson. There is also a manual designed for self-instruction which the student is required to purchase. A native speaking tutor will be assigned to drill the student in the material learned from the tape and the accompanying manual. Attendance at drill sessions is required. There will be one final examination administered by an outside examiner.The entire semester's grade will derive from this examination. All students planning to take one of the following courses (FOLA 138_- FOLA 159_) must complete an application (available in JMZ 1109). A mandatory orientation and scheduling meeting will be held at the beginning of the semester. Details will be posted outside of JMZ 1109. *Only the languages listed below are offered in the program.

FOLA138A *(PermReq)* **Directed Study of a Foreign Language I: Hungarian I; (3 credits)** Grade Method: REG/P-F/AUD.

Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 4:30pm - 6:30pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA138D **Directed Study of a Foreign Language I; Dutch I**

FOLA138D *(PermReq)* **Directed Study of a Foreign Language I: Dutch I; (3 credits)** Grade Method: REG/P-F/AUD.

Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 5)	
	TuTh 1:00pm - 2:00pm Contact instructor or department for details.	JMZ 3122	Lab

FOLA138E **Directed Study of a Foreign Language I; Elementary Tagalog I**

FOLA138E *(PermReq)* **Directed Study of a Foreign Language I: Elementary Tagalog I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 8)	
	MF 12:00pm - 1:00pm Contact instructor or department for details.	JRN 1104	Lab

FOLA138F **Directed Study of a Foreign Language I; Polish I: Elementary Polish**

FOLA138F *(PermReq)* **Directed Study of a Foreign Language I: Polish I: Elementary Polish; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 4)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA138M **Directed Study of a Foreign Language I; Elementary Swahili I**

FOLA138M *(PermReq)* **Directed Study of a Foreign Language I: Elementary Swahili I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 5)	
	Tu 12:30pm - 2:30pm Contact instructor or department for details.	ARC 1123	Lab

FOLA138P **Directed Study of a Foreign Language I; Hindi I**

FOLA138P *(PermReq)* **Directed Study of a Foreign Language I: Hindi I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 7)	
	W 6:00pm - 7:50pm	JMZ 1117	Lab
	Contact instructor or department for details.		

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 5)	
	Tu 9:00am - 10:50am	Location: TBA	
	Contact instructor or department for details.		

FOLA138T **Directed Study of a Foreign Language I; Vietnamese I**

FOLA138T *(PermReq)* **Directed Study of a Foreign Language I: Vietnamese I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 6)	
	M 6:00pm - 9:00pm	ASY 3217	Lab
	Contact instructor or department for details.		

FOLA138V **Directed Study of a Foreign Language I; Armenian I**

FOLA138V *(PermReq)* **Directed Study of a Foreign Language I: Armenian I; (3 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139A **Directed Study of a Foreign Language II; Elementary Hungarian II**

FOLA139A *(PermReq)* **Directed Study of a Foreign Language II: Elementary Hungarian II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138A or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA139D **Directed Study of a Foreign Language II; Elementary Dutch II**

FOLA139D *(PermReq)* **Directed Study of a Foreign Language II: Elementary Dutch II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138D or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA139E **Directed Study of a Foreign Language II; Tagalog II**

FOLA139E *(PermReq)* **Directed Study of a Foreign Language II: Tagalog II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138E or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA139F **Directed Study of a Foreign Language II; Polish II**

FOLA139F *(PermReq)* **Directed Study of a Foreign Language II: Polish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138F or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA139M **Directed Study of a Foreign Language II; Elementary Swahili II**

FOLA139M *(PermReq)* **Directed Study of a Foreign Language II: Elementary Swahili II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138M or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 9:30am - 10:30am Contact instructor or department for details.	JMZ 0120	Lab

FOLA139P **Directed Study of a Foreign Language II; Hindi II**

FOLA139P *(PermReq)* **Directed Study of a Foreign Language II: Hindi II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138P or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Th 6:00pm - 8:00pm Contact instructor or department for details.	JMZ 1122	Lab

FOLA139R **Directed Study of a Foreign Language II; Elementary Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Elementary Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA139T **Directed Study of a Foreign Language II; Vietnamese II**

FOLA139T *(PermReq)* **Directed Study of a Foreign Language II: Vietnamese II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138T or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 6:30pm - 8:30pm	ASY 3217	Lab
	Contact instructor or department for details.		

FOLA139V **Directed Study of a Foreign Language II; Elementary Armenian II**

FOLA139V *(PermReq)* **Directed Study of a Foreign Language II: Elementary Armenian II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138V or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 6)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA148A **Directed Study of a Foreign Language III; Hungarian III**

FOLA148A *(PermReq)* **Directed Study of a Foreign Language III: Hungarian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139A, FOLA158A or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA148D **Directed Study of a Foreign Language III; Dutch III**

FOLA148D *(PermReq)* **Directed Study of a Foreign Language III: Dutch III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139D or FOLA 158D or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	TuTh 2:00pm - 3:00pm	Location: TBA	Lab
	Contact instructor or department for details.		

FOLA148E **Directed Study of a Foreign Language III; Tagalog III**

FOLA148E *(PermReq)* **Directed Study of a Foreign Language III: Tagalog III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139E or FOLA 158E or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA148F **Directed Study of a Foreign Language III; Polish III**

FOLA148F *(PermReq)* **Directed Study of a Foreign Language III: Polish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139F or FOLA 158F or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA148M **Directed Study of a Foreign Language III; Elementary Swahili III**

FOLA148M *(PermReq)* **Directed Study of a Foreign Language III: Elementary Swahili III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: FOLA 139P or FOLA 158P or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA148P **Directed Study of a Foreign Language III; Hindi III**

FOLA148P *(PermReq)* **Directed Study of a Foreign Language III: Hindi III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: FOLA 139P or FOLA 158P or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 6)	
	W 6:00pm - 8:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139R or FOLA 158R or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 4:00pm - 5:50pm	JMZ 1211	
	Contact instructor or department for details.		

FOLA148T **Directed Study of a Foreign Language III; Vietnamese III**

FOLA148T *(PermReq)* **Directed Study of a Foreign Language III: Vietnamese III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139T or 158T or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148V **Directed Study of a Foreign Language III; Elementary Armenian III**

FOLA148V *(PermReq)* **Directed Study of a Foreign Language III: Elementary Armenian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139V or 158V or consent of program director. Please refer to the note describing the Self-Instructional Program.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149A **Directed Study of a Foreign Language IV; Intermediate Hungarian**

FOLA149A *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Hungarian; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148A or consent of the director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149D **Directed Study of a Foreign Language IV; Intermediate Dutch**

FOLA149D *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Dutch; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148D or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149E **Directed Study of a Foreign Language IV; Intermediate Tagalog**

FOLA149E *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Tagalog; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148E or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149F **Directed Study of a Foreign Language IV; Polish IV-Intermediate**

FOLA149F *(PermReq)* **Directed Study of a Foreign Language IV: Polish IV-Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite FOLA148F. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149M **Directed Study of a Foreign Language IV; Swahili IV - Intermediate**

FOLA149M *(PermReq)* **Directed Study of a Foreign Language IV: Swahili IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite FOLA148M or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149P **Directed Study of a Foreign Language IV; Intermediate Hindi**

FOLA149P *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Hindi; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:FOLA148P or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 6)	
	Th 6:00pm - 8:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Intermediate Turkish**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Turkish; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148R or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149T **Directed Study of a Foreign Language IV; Intermediate Vietnamese**

FOLA149T *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Vietnamese; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148T consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149V **Directed Study of a Foreign Language IV; Intermediate Armenian**

FOLA149V *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Armenian; (3 credits)** Grade Method: REG/P-F/AUD.
Directed Study of a Foreige Language IV. Prerequisite: FOLA148V or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158A **Directed Study of a Foreign Language (Intensive) I; Elementary Hungarian (Intensive)**

FOLA158A *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Hungarian (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158D **Directed Study of a Foreign Language (Intensive) I; Elementary Dutch (Intensive)**

FOLA158D *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Dutch (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 6)	
	TuTh 11:00am - 12:30pm	Location: TBA	Lab
	Contact instructor or department for details.		

FOLA158E **Directed Study of a Foreign Language (Intensive) I; Elementary Tagalog (Intensive)**

FOLA158E *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Tagalog (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158F **Directed Study of a Foreign Language (Intensive) I; Elementary Polish (Intensive)**

FOLA158F *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Polish (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158M **Directed Study of a Foreign Language (Intensive) I; Elementary Swahili I (Intensive)**

FOLA158M *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Swahili I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 8)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Turkish I (Intensive)**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Turkish I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158T **Directed Study of a Foreign Language (Intensive) I; Vietnamese I (Intensive)**

FOLA158T *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Vietnamese I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Tu 6:00pm - 8:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA158V **Directed Study of a Foreign Language (Intensive) I; Elementary Armenian I (Intensive)**

FOLA158V *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Armenian I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	F 3:00pm - 5:30pm	JMZ 0118	Lab
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Urdu (Intensive)**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Urdu (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA 158X or 158P, not both. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159A **Directed Study of a Foreign Language (Intensive) II; Intermediate Hungarian**

FOLA159A *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Hungarian; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158A, FOLA139A or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 1)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA159D **Directed Study of a Foreign Language (Intensive) II; Intermediate Dutch (Intensive)**

FOLA159D *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Dutch (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158D, FOLA139D or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA159E **Directed Study of a Foreign Language (Intensive) II; Intermediate Tagalog (Intensive)**

FOLA159E *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Tagalog (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158E, FOLA139E or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)
	Tu 12:15pm - 2:00pm	JRN 1104
	Contact instructor or department for details.	

FOLA159F **Directed Study of a Foreign Language (Intensive) II; Intermediate Polish (Intensive)**

FOLA159F *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Polish (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158F, FOLA139F or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA159M **Directed Study of a Foreign Language (Intensive) II; Intermediate Swahili**

FOLA159M *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Swahili; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158M, FOLA139M or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 3)	
	M 4:30pm - 6:00pm	JMZ 1211	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Turkish; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158R or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159T **Directed Study of a Foreign Language (Intensive) II; Vietnamese**

FOLA159T *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Vietnamese; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158T, FOLA139T or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	W 6:00pm - 8:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA159V **Directed Study of a Foreign Language (Intensive) II; Intermediate Armenian II**

FOLA159V *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Armenian II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158V, FOLA139V or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 158X or 158P or 139P or consent of program director. Please refer to the note describing the Self-Instructional Program (located above FOLA 138A).

0101	Naime Yaramanoglu Th 6:30pm - 9:30pm Contact instructor or department for details.	Seats (Total: 9) JMZ 1123	Lab

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Fall 2008

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed FREN101, FREN102, more than two years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN102 or FREN103. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Phuong Hoang MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0118
0201	Mary Scullen MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0118 JMZ 0118
0301	Rebecca Cheek MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) EDU 0202 JMZ 1117

0401	Elizabeth Schneider MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1224
0501	Katherine Tek MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0120

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or equivalent. Not open to students who have completed FREN201, four years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN201, FREN202 or FREN203. Formerly FREN202. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Eva Zaghdoun MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0120
0201	Erica Cefalo MTuWF 10:00am - 10:50am	Seats (Total: 25) HZF 0101
0301	Eva Zaghdoun MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 3205 JMZ 3203
0401	Gena Chattin MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0120

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203. Open to students who have completed 4 years (Level 4) of high school French. Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Cybele Arnaud MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1117

0201	Cybele Arnaud MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2120
0301	Silvia Baage TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2123
0401	Silvia Baage TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 1120

FREN211 **French Reading and Conversation**

FREN211 French Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN201 or FREN203. Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

0101	Dorothee Polanz MF 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 25) JMZ 2120 JMZ 2120

FREN242 **Francophone Writers of Africa and the African Diaspora**

FREN242 Francophone Writers of Africa and the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Valerie Orlando TuTh 12:30pm - 1:45pm	Seats (Total: 35) CHE 2118

FREN250 **Introduction to French Literature**

FREN250 Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Selected readings from various genres in French literature. Discussion and brief written reports in French. Also offered as FREN 250H.

0101	Mary Wittrock MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Mary Wittrock MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN250H **Introduction to French Literature**

FREN250H Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. For general honors students only. Also offered as FREN 250.

0101	Mary Wittrock MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Mary Wittrock MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	Naime Yaramanoglu TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 1103
0201	Sarah Benharrech MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 3203

FREN302 **Translation: French to English**

FREN302 Translation: French to English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from French to English; contrastive analysis.

0101	Herve Campangne MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1117
0201	Raluca Romaniuc TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 0208

FREN311 **Advanced Oral Expression**

FREN311 Advanced Oral Expression; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of French. Prerequisite: FREN250 or equivalent. Recommended: FREN211. Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

0101	Sarah Benharrech MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1103

FREN312 **France Today**

FREN312 France Today; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of French. Prerequisite: FREN301 or equivalent. Analysis and discussion of current events and institutions using various French media resources.

0101	Caroline Eades MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3120

FREN351 **From Romanticism to the Age of Modernism and Beyond**

FREN351 From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN 351H.

0101	Carol Mossman MWF 11:00am - 11:50am	Seats (Total: 25) MMH 3418

FREN351H **From Romanticism to the Age of Modernism and Beyond**

FREN351H From Romanticism to the Age of Modernism and Beyond; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. For general honors students only. Also offered as FREN 351.

0101	Carol Mossman	Seats (Total: 25)
	MWF 11:00am - 11:50am	MMH 3418

FREN386 **Experiential Learning**

FREN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French; Directed Study in Nice I**
Contact department for information to register for this course.

FREN399B **Directed Study in French; Directed Study in Nice II**
Contact department for information to register for this course.

FREN404 **Issues in the French-Speaking World Today**
Contact department for information to register for this course.

FREN471 **The Construction of French Identity I: From the Origins to the Age of Versailles**

FREN471 The Construction of French Identity I: From the Origins to the Age of Versailles; (3 credits) Grade Method: REG/P-F/AUD.
French life, customs, culture, traditions (800-1750).

0101	Herve Campangne	Seats (Total: 25)
	WF 12:00pm - 12:50pm M 12:00pm - 12:50pm	JMZ 3205 JMZ 3205

FREN495 **Honors Thesis Research**

FREN495 Honors Thesis Research; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program.

Contact department for information to register for this course.

FREN498 **Special Topics in French Literature**

FREN498 Special Topics in French Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: FREN351 or FREN352 or equivalent. Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

FREN498C **Special Topics in French Literature; Contemporary French Literature**

FREN498C Special Topics in French Literature: Contemporary French Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN351 or FREN352 or equivalent. Repeatable to 6 credits if content differs.

0101	Joseph Brami TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 1124

FREN499 **Special Topics in French Studies**

FREN499 Special Topics in French Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN499F **Special Topics in French Studies; Women and French Cinema**

FREN499F Special Topics in French Studies: Women and French Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French.

0101	Caroline Eades M 2:00pm - 5:00pm W 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0118 JMZ 1224

FREN659B **Special Topic in Nineteenth Century French Literature; Representations of Boheme and the Demi-Monde in the 19th Century Novel and Opera**

FREN659B Special Topic in Nineteenth Century French Literature: Representations of Boheme and the Demi-Monde in the 19th Century Novel and Opera; (3 credits) Grade Method: REG/AUD.

0101	Carol Mossman W 3:30pm - 6:00pm	Seats (Total: 10) JMZ 2123

FREN699B **Seminar; Revolutionary Theories, Philosophies and Texts of the Francophone World**

FREN699B Seminar: Revolutionary Theories, Philosophies and Texts of the Francophone World; (3 credits) Grade Method: REG/AUD.

0101	Valerie Orlando Th 3:30pm - 6:00pm	Seats (Total: 10) JMZ 0118

FREN699I **Seminar; 16th and 17th Century Literature**

FREN699I Seminar: 16th and 17th Century Literature; (3 credits) Grade Method: REG/AUD.

0101	Andrea Frisch	Seats (Total: 10)
	Tu 3:30pm - 6:00pm	JMZ 2125

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Fall 2008

GEMS100 **Freshman Honors Colloquium: Introduction to Gemstone**

GEMS100 Freshman Honors Colloquium: Introduction to Gemstone; (1 credit)
Grade Method: REG.
Restricted to Gemstone students only. Freshman standing. Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style.

0101	Caitlin White M 11:30am - 1:00pm	Seats (Total: 10) ELL 100A
0201	Caitlin White Tu 4:30pm - 6:00pm	Seats (Total: 10) ELL 0100D
0301	Caitlin White M 1:00pm - 2:30pm	Seats (Total: 11) ELL 0100B
0401	Caitlin White M 2:30pm - 4:00pm	Seats (Total: 10) ELL 0100A
0501	Caitlin White M 3:00pm - 4:30pm	Seats (Total: 10) ELL 0100D
0601	Caitlin White Tu 9:00am - 10:30am	Seats (Total: 10) ELL 0100A
0701	Caitlin White Tu 10:00am - 11:30am	Seats (Total: 10) ELL 0100D
0801	Caitlin White Tu 10:30am - 12:00pm	Seats (Total: 11) ELL 0100C
0901	Caitlin White Tu 2:30pm - 4:00pm	Seats (Total: 10) ELL 0100A
1001	Caitlin White Tu 3:00pm - 4:30pm	Seats (Total: 10) ELL 0100D

1101	Caitlin White Tu 4:00pm - 5:30pm	Seats (Total: 10) ELL 0100B
1201	Caitlin White W 9:00am - 10:30am	Seats (Total: 11) ELL 0100A
1301	Caitlin White W 10:30am - 12:00pm	Seats (Total: 10) ELL 0100D
1401	Caitlin White W 2:00pm - 3:30pm	Seats (Total: 10) ELL 0100A
1501	Caitlin White W 2:30pm - 4:00pm	Seats (Total: 10) ELL 0100D
1601	Caitlin White W 3:00pm - 4:30pm	Seats (Total: 10) ELL 0100B
1701	Caitlin White Th 12:00pm - 1:30pm	Seats (Total: 10) ELL 0100A
1801	Caitlin White F 10:00am - 11:30am	Seats (Total: 10) ELL 0100A

GEMS202 **Team Dynamics and Research Methodology**

GEMS202 Team Dynamics and Research Methodology; (2 credits) Grade Method: REG.
Prerequisite: GEMS100, GEM 102 and GEM 104. Corequisite: GEM 296 Restricted to Gemstone students only. Sophomore standing. This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Rebecca Thomas, Courtenay Barrett Th 3:20pm - 5:00pm	Seats (Total: 171) JMZ 0220

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

GEMS208A Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: First Time Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 14)

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

GEMS208B Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: Returner Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 14)

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

GEMS208C Special Topics in Leadership and Team Development: Introduction to Gemstone: First Time Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White W 12:30pm - 1:20pm	Seats (Total: 14) Location: TBA
0102	Caitlin White Th 1:00pm - 1:50pm	Seats (Total: 14) Location: TBA
0103	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

GEMS208D Special Topics in Leadership and Team Development: Introduction to Gemstone: Returner Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White W 12:30pm - 1:20pm	Seats (Total: 14) Location: TBA

0102	Caitlin White Th 1:00pm - 1:50pm	Seats (Total: 14) Location: TBA
0103	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS296 **Team Project Seminar I**

GEMS296 Team Project Seminar I; (1 credit) Grade Method: REG.
Prerequisite: GEMS100, GEMS102 and GEMS104. Corequisite: GEMS202. For Gemstone students with sophomore standing in a research team. This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Elisabeth Gantt W 8:00am - 9:00am	Seats (Total: 14) Location: TBA
0102	Charles Carr Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1122
0103	Michael Dougherty Th 5:10pm - 6:10pm	Seats (Total: 14) BPS 1234
0104	Charles Wellford Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1103
0105	Frederick Mowrer Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1215
0106	Jason Kahn Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 2120
0201	Joseph Sullivan F 9:00am - 9:50am	Seats (Total: 14) PLS 1115
0202	Liangli Yu, Mickey Parish W 8:00am - 9:00am	Seats (Total: 14) Location: TBA
0203	Jeff Miller Th 5:15pm - 6:15pm	Seats (Total: 14) Location: TBA

0204	John Fisher W 8:00am - 8:50am	Seats (Total: 14) CHE 2116
0205	Arnett Gaston Th 5:15pm - 6:15pm	Seats (Total: 14) JMZ 0120
0206	James Duncan M 5:30pm - 6:30pm	Seats (Total: 14) EGR 3114

GEMS396 **Team Project Seminar III**

GEMS396 Team Project Seminar III; (2 credits) Grade Method: REG. *Prerequisite: GEMS297. For Gemstone students with junior standing in a research team.* This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Mark Kantor M 5:00pm - 7:00pm	Seats (Total: 14) JMZ 1103
0102	Jianghong Meng M 5:00pm - 6:00pm F 8:00am - 9:00am	Seats (Total: 14) Location: TBA Location: TBA
0103	Pamela Abshire M 8:00am - 8:50am Th 8:00am - 9:00am	Seats (Total: 14) Location: TBA Location: TBA
0104	L Woods M 8:00am - 9:00am W 5:15pm - 6:15pm	Seats (Total: 14) ANS 0467 JMZ 3118
0105	Brianne Rowh Th 7:00am - 9:00am	Seats (Total: 14) Location: TBA
0106	Alene Moyer Tu 6:30pm - 7:30pm F 9:00am - 10:00am	Seats (Total: 14) SQH 1111 SQH 1107
0201	Bruce Golden Tu 5:00pm - 7:00pm	Seats (Total: 14) VMH 2509

0202	Roberta Lavine, Amitabh Varshney Tu 5:30pm - 7:30pm	Seats (Total: 14) JMZ 3122
0203	Adam Hsieh Tu 5:30pm - 7:30pm	Seats (Total: 14) ARM 0102
0204	Charles Schwartz W 9:00am - 9:50am Tu 6:00pm - 6:50pm	Seats (Total: 14) Location: TBA Location: TBA
0205	Tracy Zeeger W 7:00pm - 8:00pm M 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0206	Ning Zeng Th 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0209	Angela Dawson Contact instructor or department for details.	Seats (Total: 6)

GEMS496 **Project Writing Seminar**

GEMS496 Project Writing Seminar; (2 credits) Grade Method: REG.
Prerequisite: GEMS397. For Gemstone participants only. This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	James Purtilo W 1:00pm - 2:00pm F 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA Location: TBA
0102	Brian Beard, Jeremiah Grossman Th 6:15pm - 8:15pm	Seats (Total: 14) Location: TBA
0103	Peter Kofinas W 4:05pm - 5:05pm Su 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0104	David O'Brochta Su 7:00pm - 9:00pm	Seats (Total: 14) PLS 5119

0105	Fredrick Wheaton M 4:00pm - 5:00pm Th 8:00am - 9:00am	Seats (Total: 14) ANS 1420 ANS 1420
0106	Ramalingam Chellappa Tu 10:00am - 11:00am F 8:00pm - 9:00pm	Seats (Total: 14) AVW 2120 AVW 2120
0201	Nam Sun Wang W 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0202	Marc Rogers M 6:15pm - 7:15pm Th 8:30am - 9:30am	Seats (Total: 14) ANA 0100 ANA 0100
0203	Jungho Kim Th 6:30pm - 8:30pm	Seats (Total: 14) Location: TBA
0204	Linda Moghadam Tu 4:30pm - 6:30pm	Seats (Total: 14) ASY 3217
0205	Lowell Adams M 6:30pm - 8:30pm	Seats (Total: 14) ANS 0422
0206	Peter Chang F 1:00pm - 3:00pm	Seats (Total: 14) EGR 3111
0207	Abigail Kiesa W 3:00pm - 5:00pm	Seats (Total: 14) LEF 1221
0208	Christa Schmidt TuTh 5:45pm - 6:45pm	Seats (Total: 14) Location: TBA

GEOG Geographical Sciences Fall 2008

GEOG100 Introduction to Geography

GEOG100 Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101	Richard Russo MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0102	Richard Russo MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HBK 1112	Discussion
0103	Richard Russo MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0104	Richard Russo MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 CHM 0122	Discussion
0201	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 LEF 1220	Discussion
0202	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0203	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 CHM 1224	Discussion
0204	Ronald Luna MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion

0205	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) LEF 2205 TYD 0102	Discussion
0206	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0301	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) VMH 1212 LEF 1201	Discussion
0302	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) VMH 1212 CHM 0124	Discussion
0303	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) VMH 1212 LEF 1221	Discussion
0304	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) VMH 1212 WDS 0104	Discussion
0305	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1212 LEF 1221	Discussion
0306	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) VMH 1212 KEY 0124	Discussion
0307	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) VMH 1212 CHM 1228	Discussion
0308	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1212 CHM 0122	Discussion

GEOG100S Introduction to Geography

GEOG100S Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars - Environmental Studies.

0201	Ronald Luna MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 3) LEF 2205 LEF 1220	 Discussion
0205	Ronald Luna MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 5) LEF 2205 LEF 1221	 Discussion

GEOG123 **Causes and Implications of Global Change**

GEOG123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. A unique experience in integrating physical, chemical, geological, and biological sciences with geographical, economic, sociological, and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long- term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow human endeavors. The manner in which to approach decision and policy making related to global change.

FC01	Doug Morton MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 48) MCB 1207	

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

FC01	Ronald Luna TuTh 3:00pm - 4:15pm	Seats (Total: 43) EDU 2119	
	This section is only open to students in Freshmen Connection.		

GEOG140 **Coastal Environments**

GEOG140 Coastal Environments; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Introduction to coastal environments, with emphasis on U.S. East Coast. Physical and ecological systems, beach processes, waves, currents, human impacts, coastal zone management and shoreline engineering. Case studies of coastal areas, including Ocean City, Maryland.

0101	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion
0102	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 COL 0100	 Discussion
0103	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 ARC 1101	 Discussion
0104	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion
0105	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 1102	 Discussion

0106	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0107	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0108	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0109	Michael Kearney MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0110	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD.
A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology. CORE Physical Science Lab (PL) course only when taken concurrently with GEOG 211.

0101	Kathlene Butler TuTh 9:30am - 10:45am	Seats (Total: 150) LEF 2205	

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG201 or GEOL100 or GEOL120. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with GEOG 201. This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors. Students must pay a $40.00 laboratory materials fee.

0101	Kathlene Butler M 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab
0201	Kathlene Butler W 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0301	Kathlene Butler M 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0401	Kathlene Butler F 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab
0501	Kathlene Butler W 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab
0601	Kathlene Butler F 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Ronald Luna M 9:00am - 11:00am	Seats (Total: 25) LEF 1171	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40 lab fee.

0101	In-Young Yeo	Seats (Total: 25)	
	TuTh 12:30pm - 1:20pm W 11:00am - 1:00pm	LEF 1124 LEF 1138	Lab
0102	In-Young Yeo	Seats (Total: 25)	
	TuTh 12:30pm - 1:20pm F 12:00pm - 2:00pm	LEF 1124 LEF 1138	Lab

GEOG312 **The United States and Canada**

GEOG312 The United States and Canada; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG312 or GEOG320. Formerly GEOG320. The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney	Seats (Total: 60)
	MWF 10:00am - 10:50am	LEF 2166

GEOG330 **Cultural Geography**

GEOG330 Cultural Geography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG330, GEOG360, or GEOG362. Formerly GEOG362. Impact of humans through ideas and technology on the evolution of geographic landscapes. Major themes in the relationships between cultures and environments.

0101	Allen Eney	Seats (Total: 70)
	MWF 12:00pm - 12:50pm	LEF 2166

GEOG331 **Introduction to Human Dimensions of Global Change**

GEOG331 Introduction to Human Dimensions of Global Change; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG331 or GEOG361. Formerly GEOG361. Introduction to global-scale interrelationship between human beings and the environment. The development of global issues including but not limited to the environment, food, energy, technology, population, and policy.

0101	Allen Eney	Seats (Total: 40)
	MWF 1:00pm - 1:50pm	LEF 2166

GEOG334 **The American City: Past and Present**

GEOG334 The American City: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG334 or GEOG350. Formerly GEOG350. Development of the American city from the early 19th century to the present. The internal structure of contemporary metropolitan areas, the spatial arrangement of residential, commercial, and other activities. Washington, D.C. and Baltimore examples.

0101	Mila Zlatic	Seats (Total: 40)
	MW 12:00pm - 1:15pm	TYD 1132

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney MW 4:00pm - 5:15pm	Seats (Total: 60) LEF 2205	

GEOG345 **Introduction to Climatology**

GEOG345 Introduction to Climatology; (3 credits) Grade Method: REG/P-F/AUD.
The geographic aspects of climate with emphasis on energy-moisture budgets, steady-state and non steady-state climatology, and climatic variations at both macro- and micro-scales.

0101	Jay Gregg TuTh 11:00am - 12:15pm	Seats (Total: 60) LEF 2166	

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. Students must pay a $40.00 laboratory materials fee.

0101	Eric Kasischke TuTh 12:30pm - 1:45pm Th 9:00am - 12:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Eric Kasischke TuTh 12:30pm - 1:45pm F 9:00am - 12:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. Students must pay a $40.00 laboratory materials fee.

0101	Aaron Mulhollen Th 9:00am - 11:00am W 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Aaron Mulhollen Th 9:00am - 11:00am W 2:00pm - 4:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Aaron Mulhollen Th 9:00am - 11:00am M 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione Contact instructor or department for details.	Seats (Total: 10)

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397. First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399. Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG415 **Land Use, Climate Change, and Sustainability**

GEOG415 Land Use, Climate Change, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG123, GEOG306, or permission of department. Recommended: GEOG201/211, GEOG340, GEOG342, or GEOG331. Credit will be granted for only one of the following: GEOG415 or GEOG498D. Formerly GEOG498D. The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

0101	Chris Justice	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	LEF 1201

GEOG431 **Culture and Natural Resource Management**

GEOG431 Culture and Natural Resource Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG421 or GEOG431. Formerly GEOG421. Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0101	Martha Geores	Seats (Total: 40)
	Tu 2:00pm - 4:30pm	LEF 2166

GEOG437 **Political Geography**

GEOG437 Political Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG423 or GEOG437. Formerly GEOG423. Geographical factors in the national power and international relations; an analysis of the role of geopolitics and geostrategy, with special reference to the current world scene.

0101	Mila Zlatic	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

GEOG442 **Biogeography and Environmental Change**

GEOG442 Biogeography and Environmental Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG342 or equivalent. Recommended: GEOG123. Credit will be granted for only one of the following: GEOG442, GEOG447, or GEOG484. Formerly GEOG447. Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, climate and vegetation, global carbon cycle, biodiversity, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System.

0101	Stephen Prince	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 2208

GEOG456 **The Social Geography of Metropolitan Areas in Global Perspective**

GEOG456 The Social Geography of Metropolitan Areas in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.
A socio-spatial approach to human interaction within the urban environments: ways people perceive, define, behave in, and structure world cities and metropolitan areas. Cultural and social differences define spatial patterns of social activities which further define distinctions in distribution and interaction of people and their social institutions.

0101	Mila Zlatic	Seats (Total: 40)
	MW 2:00pm - 3:15pm	LEF 2166

GEOG472 **Remote Sensing: Digital Processing and Analysis**

GEOG472 Remote Sensing: Digital Processing and Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG372 or equivalent. Credit will be granted for only one of the following: GEOG472 or GEOG480. Formerly GEOG480. Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed. Students must pay a $40.00 laboratory materials fee.

0101	Chengquan Huang Th 5:00pm - 7:00pm Tu 9:30am - 11:30am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Chengquan Huang Th 5:00pm - 7:00pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1136	 Lab

GEOG473 **Geographic Information Systems and Spatial Analysis**
Contact department for information to register for this course.

GEOG476 **Programming for Geographers**

GEOG476 Programming for Geographers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG373 or equivalent. Credit will be granted for only one of the following: GEOG498G or GEOG476. Formerly GEOG498G. An introduction to programming for geography. Introduces the concepts of computer programming as applied to Geography. Implementation language is Visual Basic. This course has a $40.00 lab fee.

0101	James Tedrick M 5:00pm - 7:00pm Tu 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	James Tedrick M 5:00pm - 7:00pm Tu 2:00pm - 4:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG498C **Topical Investigations; The Coastal Ocean**

GEOG498C Topical Investigations: The Coastal Ocean; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Kearney MW 2:00pm - 3:15pm	Seats (Total: 15) LEF 1171

GEOG600 **Introduction to Human Geography**

GEOG600 Introduction to Human Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduces students to current trends and developments in human geography in the areas of geography as social science, space and place, and human dimensions of global change, and to research procedures in this field.

0101	Martha Geores M 12:55pm - 3:30pm	Seats (Total: 40) LEF 1124

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611. Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

Contact department for information to register for this course.

GEOG642 **Ecosystem Processes and Human Habitability**

GEOG642 Ecosystem Processes and Human Habitability; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG442 or permission of department. Formerly GEOG788C. Biological and biogeographical processes relevant to the capability of the earth's biota to support the demands of its human populations.

0101	Stephen Prince	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	LEF 1124

GEOG671 **Remote Sensing Instruments and Observtions**

GEOG671 Remote Sensing Instruments and Observtions; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG472 or equivalent; or permission of department. Detailed examination of land remote sensing instruments, observatories and resultant measurements in the optical portion of the EM spectrum. Includes computer-based exercises that examine the importance of data geo-registration and radiometric calibration in land measurements. Students must pay a $40.00 laboratory materials fee.

0101	Tatiana Loboda	Seats (Total: 20)
	M 5:00pm - 7:35pm	LEF 1171

GEOG673 **GIS Modeling**

GEOG673 GIS Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG306 and GEOG473 or equivalent. Credit will be granted for only one of the following: GEOG673 or GEOG695. Formerly GEOG695. Process modeling and spatial analysis within the GIS context. Introducestheoretical fundamentals and conceptual approaches to frame and represent geographical phenomena and spatial decision making. This course has a $40.00 lab fee.

0101	In-Young Yeo	Seats (Total: 20)
	Th 5:00pm - 7:30pm	LEF 1124

GEOG676 **Programming for GIS**

Contact department for information to register for this course.

GEOG778B **Seminar in Remote Sensing; Lidar Remote Sensing of the Land Surface**

GEOG778B Seminar in Remote Sensing: Lidar Remote Sensing of the Land Surface; (3 credits) Grade Method: REG/AUD.

0101	Ralph Dubayah W 5:00pm - 7:30pm	Seats (Total: 20) LEF 1124

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788C **Selected Topics in Geography; Graduate Student Orientation**

GEOG788C Selected Topics in Geography: Graduate Student Orientation; (1 credit) Grade Method: REG/AUD/S-F.
Course will meet on 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, and 10/20.

0101	John Townshend M 3:30pm - 5:00pm	Seats (Total: 20) LEF 1124

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

GEOG798 *(PermReq)* **Selected Topics in Geography: Seminar Series: Departmental Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Martha Geores	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Fall 2008

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics. CORE Physical Science Lab (PL) Course only when taken concurrently with GEOL 110. USP Distributive Studies Area B Non-Lab Science and Mathematics Course. If taken with GEOL 110, course can be counted as USP Area B Lab Science Course.

0101	William McDonough MWF 1:00pm - 1:50pm	Seats (Total: 105) JMP 3201
0102	Laurent Montesi TuTh 3:30pm - 4:45pm	Seats (Total: 120) EGR 1202
0103	William McDonough MWF 1:00pm - 1:50pm	Seats (Total: 5) JMP 3201

GEOL100S **Physical Geology**

GEOL100S Physical Geology; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOL100 or GEOL120. CORE Physical Science Lab (PL) Course only when taken concurrently with GEOL 110. USP Distributive Studies Area B Non-Lab Science and Mathematics Course. If taken with GEOL 110, course can be counted as USP Area B Lab Science Course. Restricted to College Park Scholars - Earth, Life, and Time.

0103	William McDonough MWF 1:00pm - 1:50pm	Seats (Total: 10) JMP 3201

GEOL104 **Dinosaurs: A Natural History**

GEOL104 Dinosaurs: A Natural History; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science (PS) Course.
Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosarian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz MWF 10:00am - 10:50am	Seats (Total: 60) PLS 1130	

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *Pre- or corequisite: GEOL100 or GEOL120.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. CORE Physical Science Lab (PL) Course only when taken concurrently with GEOL 100. Students must pay a $50.00 Laboratory Materials fee.

0101	William McDonough, Harry Oduro Th 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0102	Lisa Walsh, William McDonough M 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0103	William McDonough, Kathleen Scheiderich Tu 12:00pm - 3:00pm	Seats (Total: 15) GEO 2106	Lab
0104	William McDonough, Katherine Burgy Tu 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0106	Laurent Montesi, Daniel Hawkins W 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0107	Lisa Walsh, Laurent Montesi W 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0109	Laurent Montesi, Daniel Hawkins Tu 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0110	Laurent Montesi, Yan Chen Th 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0111	Laurent Montesi, Ryan Kerrigan W 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab

GEOL110S **Physical Geology Laboratory**

GEOL110S Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *Pre- or corequisite: GEOL100 or GEOL120.* CORE Physical Science Lab (PL) Course only when taken concurrently with GEOL 100. Restricted to College Park Scholars - Earth, Life, and Time. Students must pay a $50.00 Laboratory Materials fee.

0103	William McDonough, Kathleen Scheiderich Tu 12:00pm - 3:00pm	Seats (Total: 10) GEO 2106	 Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	 Discussion
0102	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	 Discussion
0103	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	 Discussion
0104	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	 Discussion
0105	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	 Discussion

0106	Sarah Penniston-Dorland TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0201	Tracey Centorbi TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0202	Tracey Centorbi TuTh 12:30pm - 1:45pm W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0203	Tracey Centorbi TuTh 12:30pm - 1:45pm W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0204	Tracey Centorbi TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0205	Tracey Centorbi TuTh 12:30pm - 1:45pm W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0206	Tracey Centorbi TuTh 12:30pm - 1:45pm W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
FC01	Tracey Centorbi TuTh 3:00pm - 4:15pm F 10:00am - 10:50am *This section is only open to students in Freshmen Connection.*	Seats (Total: 18) HBK 0115 PLS 1172	Discussion

GEOL124 Biogenesis: Making a Habitable Planet

GEOL124 Biogenesis: Making a Habitable Planet; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Alan Kaufman TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) TYD 2106 PLS 1146	 Discussion
0102	Alan Kaufman TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) TYD 2106 PLS 1146	 Discussion
0103	Alan Kaufman TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) TYD 2106 PLS 1146	 Discussion

GEOL212 **Planetary Geology**

GEOL212 Planetary Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	Andrew Campbell MWF 2:00pm - 2:50pm	Seats (Total: 20) PLS 1115	

GEOL322 **Mineralogy**

GEOL322 Mineralogy; (4 credits) Grade Method: REG.
Prerequisites: GEOL100 or GEOL120, GEOL110; and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}; or CHEM103. Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Andrew Campbell	Seats (Total: 24)	
	TuTh 8:00am - 9:15am	PLS 1172	
	Tu 12:00pm - 3:00pm	GEO 2107	Lab

GEOL331 **Principles of Paleontology**

GEOL331 Principles of Paleontology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, and GEOL102; or permission of department. A review of the theory, principles, and applications of Paleontology. A systematic overview of the morphology, evolution, and relationships of the major fossil-producing taxa.

0101	John Merck, Thomas Holtz	Seats (Total: 16)	
	MWF 1:00pm - 1:50pm	PLS 1164	
	F 2:00pm - 5:00pm	GEO 2107	Lab

GEOL341 **Structural Geology**

GEOL341 Structural Geology; (4 credits) Grade Method: REG.
Prerequisite: GEOL100 or GEOL120, GEOL110, and GEOL102; or permission of department. Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Aaron Martin	Seats (Total: 16)	
	TuTh 9:30am - 10:45am	PLS 1172	
	M 10:00am - 1:00pm	GEO 2107	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Technical Writing for Geoscientists**

GEOL393 Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent. Planning, writing and presenting a plan for research in the geosciences.

0101	Philip Candela W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 10) PLS 1111

GEOL393H **Technical Writing for Geoscientists**

GEOL393H Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent. For honors students only.

0101	Philip Candela W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 5) PLS 1111

GEOL394 **Research Problems in Geology**

GEOL394 Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. Investigation of a specific laboratory, library or field problem. Written and oral presentation of the study.

Contact department for information to register for this course.

GEOL394H **Research Problems in Geology**

GEOL394H Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. For general honors students only.

Contact department for information to register for this course.

GEOL444 **Low Temperature Geochemistry**

GEOL444 Low Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100; GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132}, or {CHEM135 and CHEM136}. Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	Alan Kaufman	Seats (Total: 15)	
	MWF 9:00am - 9:50am	PLS 1146	
	M 2:00pm - 5:00pm	GEO 2117	Lab

GEOL445 **High Temperature Geochemistry**

GEOL445 High Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100; GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132}, or {CHEM135 and CHEM136}. Review of chemical principles and their use in understanding processes of Earth, and solar system formation and differentiation. Topics include nucleosynthesis and cosmochemical abundances of elements, bonding and element partitioning, equilibrium thermodynamics and phase stabilities, radiogenic isotopes and geochronology, kinetics, and diffusion.

0101	Roberta Rudnick	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PLS 1158	
	W 1:00pm - 4:00pm	GEO 2117	Lab

GEOL446 **Geophysics**

GEOL446 Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, MATH141, and PHYS141. Introduction to solid earth geophysics, heat transfer, fluid flow, gravity, geomagnetism, rock and mineral physics, seismology, exploration geophysics. Basic knowledge of integral and differential calculus is required.

0101	Saswata Hier-Majumder	Seats (Total: 15)
	M 1:00pm - 1:50pm	PLS 1162
	F 1:00pm - 2:50pm	PLS 1119

GEOL452 **Watershed and Wetland Hydrology**

GEOL452 Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Junior standing. Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL489Z **Special Topics; Faulting and Earthquake Mechanics**

GEOL489Z Special Topics: Faulting and Earthquake Mechanics; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100, GEOL110, MATH141, PHYS141; or permission of Instructor.

0101	Wenlu Zhu	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1111

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL614 **Thermodynamics of Geological Processes**

GEOL614 Thermodynamics of Geological Processes; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 141; and CHEM 113; and GEOL 322; and PHYS 142. Thermodynamics and its application to problems in mineralogy, petrology and geochemistry. Systematic development of the laws of thermodynamics and the principles of chemical equilibrium as applied to geological problems.

0101	Philip Candela	Seats (Total: 10)
	TuTh 10:30am - 11:45am	GEO 2117

GEOL650 **Isotope and Trace Element Geochemistry**

GEOL650 Isotope and Trace Element Geochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL 443 or permission of department. Trace elements and isotopes in geology, including modern applications in geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 15)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL652 **Advanced Watershed and Wetland Hydrology**

GEOL652 Advanced Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL 452 or permission of department. Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL789M **Recent Advances in Geology; Computational Geodynamics**

GEOL789M Recent Advances in Geology: Computational Geodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 241 or permission of Instructor. Recommended: GEOL 446 and AMSC 460.

0101	Laurent Montesi TuTh 9:30am - 10:45am	Seats (Total: 10) PLS 1115

GEOL789Z **Recent Advances in Geology; Faulting and Earthquake Mechanics**

GEOL789Z Recent Advances in Geology: Faulting and Earthquake Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisites: GEOL 100, GEOL 110, MATH 141, PHYS 141; or permission of Instructor.

0101	Wenlu Zhu TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1111

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Fall 2008

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, more than two years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Sabine Eubanks MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0120
0201	Susanne Van Leuven MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1224 JMZ 2117
0301	Victoria Finney MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1224

GERM148Y **Germanic Languages - Elementary I; Yiddish I**

GERM148Y Germanic Languages - Elementary I: Yiddish I; (3 credits) Grade Method: REG/P-F/AUD.

0101	Miriam Isaacs TuTh 9:30am - 10:45am	Seats (Total: 18) JMZ 3118

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or equivalent. Not open to students who have completed GERM201, GERM202, four years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	William Hildebrandt MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0103 JMZ 2117
0201	Melda Baysal Walsh MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 2122 JMZ 0120

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GERM203 or level 4 of high school German. Not open to fluent/native speakers.* An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Ina Sammler MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 2122
0201	Alene Moyer MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 15) EDU 0202 EDU 1210B

GERM283 **Viking Culture and Civilization**

GERM283 Viking Culture and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Formerly GERM383. An introduction to the lifestyle of northern Europe in the 9th to 11th centuries. Readings and instruction in English.

0101	Rose-Marie Oster TuTh 11:00am - 12:15pm	Seats (Total: 49) JMZ 2206

GERM285 **German Film and Literature**

GERM285 German Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A visual approach to German literature through a study of the historical, cultural, and literary significance of German films. Representative examples from the golden age of German silent films to the new German cinema. Taught in English.

0101	Katharina Rudolf TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 0302J

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Regina Ianozi MWF 11:00am - 11:50am	Seats (Total: 20) TYD 2111

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Julie Koser MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 3205

GERM322 **Highlights of German Literature II**

GERM322 Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM220 or equivalent. Selected masterworks from different periods of German literature: romanticism, Biedermeier, Junges Deutschland, realism, naturalism and its counter currents, expressionism to the present. Readings and instruction in German.

0101	Sylvia Naylor TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2117

GERM322H **Highlights of German Literature II**

GERM322H Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM220 or equivalent.

0101	Sylvia Naylor TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2117

GERM339H **German Literature In Translation**

GERM339H German Literature In Translation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Beicken M 2:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 5) PLS 1146 JMZ 3120

GERM381 **German Civilization I**

GERM381 German Civilization I; (3 credits) Grade Method: REG/P-F/AUD.
A survey of the literary, educational and artistic traditions, great men and women, customs and general culture of the German-speaking world from the beginnings to the middle of the 18th century. All readings and instruction are in English.

0101	Christina Wall TuTh 9:30am - 10:45am	Seats (Total: 35) JMP 1109

GERM386 **Experiential Learning**

GERM386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GERM389G **Topics in Germanic Culture; Cross-cultural Understanding Between Germany and the United States**
Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM401 **Advanced Conversation: Germany within Europe**

GERM401 Advanced Conversation: Germany within Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Development of fluency in spoken German. Discussion of contemporary issues related to Germany in context of Europe.

0101	Gabriele Strauch	Seats (Total: 20)
	MWF 11:00am - 11:50am	PLS 1117

GERM421 **Literature of the Middle Ages**

GERM421 Literature of the Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM321 and 322 or permission of department. German literature from the 8th through the 15th centuries. Readings include Old High German texts; the German heroic, courtly and popular epic; Minnesang, Meistersang, the late Medieval epic: folk literature of the late Middle Ages. Read in modern German translation.

0101	Gabriele Strauch	Seats (Total: 25)
	MW 3:00pm - 4:15pm	JMZ 0208

GERM439G **Selected Topics in German Literature; Perspectives on 19th Century German Culture and Society: Domestic Affairs/Foreign Affairs**
Contact department for information to register for this course.

GERM498H **Honors Thesis Writing**

GERM498H Honors Thesis Writing; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 Directed Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM671 **Gothic, Old High German, Middle High German I**

GERM671 Gothic, Old High German, Middle High German I; (3 credits) Grade Method: REG/AUD.
The first semester of a two-semester practicum in reading Gothic, Old and Middle High German, with emphasis on linguistic analysis.

0101	Rose-Marie Oster	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	JMZ 1211

GERM689E **Special Topics - M.A. Level; Epochenproblematik: Issues in the German Literary Canon**

GERM689E Special Topics - M.A. Level: Epochenproblematik: Issues in the German Literary Canon; (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 2207

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM828A **Seminar: The 18th Century; Gender and War**

GERM828A Seminar: The 18th Century: Gender and War; (3 credits) Grade Method: REG/AUD.

0101	Julie Koser W 5:00pm - 7:30pm	Seats (Total: 10) JMZ 3203

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM889E **Seminar in Germanic Area Studies; Epochenproblematik: Issues in the German Literary Canon**

GERM889E Seminar in Germanic Area Studies: Epochenproblematik: Issues in the German Literary Canon; (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2207

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Fall 2008

GREK101 **Elementary Ancient Greek I**

GREK101 Elementary Ancient Greek I; (4 credits) Grade Method: REG/P-F/AUD. *A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.* Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C. Classical and New Testament Greek.

0101	Lillian Doherty	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	WDS 1127
	W 1:00pm - 1:50pm	WDS 1127

GREK111 **Elementary Modern Greek I**

GREK111 Elementary Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Credit will be granted for only one of the following: FOLA108G or GREK111. Formerly FOLA108G.* An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach	Seats (Total: 24)
	MWF 12:00pm - 12:50pm	PLS 1184

GREK201 **Intermediate Ancient Greek**

GREK201 Intermediate Ancient Greek; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK102 or equivalent.* Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Lillian Doherty	Seats (Total: 14)
	MWF 12:00pm - 12:50pm	MMH 2407A
	F 1:00pm - 1:50pm	MMH 2407A

GREK211 **Intermediate Modern Greek I**

GREK211 Intermediate Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Prerequisite: GREK112 or permission of instructor. Credit will be granted for only one of the following: FOLA118G or GREK211. Formerly FOLA118G.* A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MW 2:00pm - 3:15pm	Seats (Total: 15) MMH 2407A

GREK488B **Greek Readings**

GREK488B Greek Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lillian Doherty MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 5) JMZ 1122 JMZ 1122

GREK488I **Greek Readings; Greek Historians**

GREK488I Greek Readings: Greek Historians; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Tuite W 5:00pm - 7:40pm	Seats (Total: 15) MMH 2407A

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK606 **Greek Historians**

GREK606 Greek Historians; (3 credits) Grade Method: REG/AUD.
Survey of the Greek historians, concentrating on Herodotus and Thucydides, contrasting the two historians in the areas of subject, methods of research, composition, and achievement.

0101	Kenneth Tuite W 5:00pm - 7:40pm	Seats (Total: 10) MMH 2407A

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Fall 2008

GVPT100 **Principles of Government and Politics**

GVPT100 Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the basic principles and concepts of political science.

0101	Piotr Swistak MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 TLF 1101	 Discussion
0102	Piotr Swistak MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 TYD 1118	 Discussion
0103	Piotr Swistak MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 TYD 1114	 Discussion

0104	Piotr Swistak MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 TYD 1118	Discussion
0105	Piotr Swistak MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 TYD 2102	Discussion
0106	Piotr Swistak MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 KEY 0103	Discussion
0107	Piotr Swistak MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 TYD 1114	Discussion
0108	Piotr Swistak MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 TYD 2108	Discussion
0109	Piotr Swistak MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 30) ARM 0131 ASY 3207	Discussion
0201	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 30) SKN 0200 COL 3110	Discussion
0202	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 30) SKN 0200 KEY 0126	Discussion
0203	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 1118	Discussion
0204	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TYD 1114	Discussion

0205	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 JMZ 2122	Discussion
0206	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) SKN 0200 HJP 1229	Discussion
0207	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 TYD 1114	Discussion
0208	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 SKN 1112	Discussion
0209	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TYD 1118	Discussion
FC01	Ila Singh MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 28) TYD 2111	
FC02	Benjamin Newton TuTh 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 37) TYD 1132	

GVPT100H **Principles of Government and Politics**

GVPT100H Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to GVPT honors students only.

0101	Stephen Elkin Th 2:00pm - 4:45pm	Seats (Total: 20) ANA 0120	

GVPT100S **Principles of Government and Politics**

GVPT100S Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Sections 0101 - 0103 restricted to College Park Scholars - InternationalStudies.
Section 0104 restricted to College Park Scholars - Public Lead ership.

0101	James Glass MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) SQH 1120 BPS 1236	 Discussion
0102	James Glass MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 LEF 1221	 Discussion
0103	James Glass MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SQH 1120 HBK 0123	 Discussion
0104	James Glass MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 TYD 0101	 Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A comprehensive study of national government in the United States.

0101	Lois Vietri MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) ARM 0126 JMZ 1120	 Discussion
0102	Lois Vietri MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) ARM 0126 JMZ 1224	 Discussion
0103	Lois Vietri MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) ARM 0126 TYD 2108	 Discussion

0104	Lois Vietri MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) ARM 0126 KEY 0123	Discussion
0105	Lois Vietri MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0126 JMZ 0208	Discussion
0106	Lois Vietri MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0126 HZF 0106	Discussion
0107	Lois Vietri MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0126 KEY 0103	Discussion
0108	Lois Vietri MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0126 ARM 0101	Discussion
0109	Lois Vietri MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 ARM 0110	Discussion
0110	Lois Vietri MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARM 0126 ARM 0101	Discussion
0111	Lois Vietri MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0126 CSS 2416	Discussion
0112	Lois Vietri MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0126 CSS 2416	Discussion
0201	Stella Rouse TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 0101	Discussion

0202	Stella Rouse TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 2109	Discussion
0203	Stella Rouse TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 1118	Discussion
0204	Stella Rouse TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 0111	Discussion
0205	Stella Rouse TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 LEF 2208	Discussion
0206	Stella Rouse TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 KEY 1117	Discussion
0207	Stella Rouse TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 TYD 1114	Discussion
0208	Stella Rouse TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 TYD 0111	Discussion
0209	Stella Rouse TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 0111	Discussion
FC01	Scott Racek MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 24) TYD 0102	

GVPT200 International Political Relations

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: GVPT100. A study of the major factors underlying international relations, the methods of conducting foreign relations, the foreign policies of the major powers, and the means of avoiding or alleviating international conflicts.

0101	Virginia Haufler MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 KEY 0126	 Discussion
0102	Virginia Haufler MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) HJP 0226 TLF 1103	 Discussion
0103	Virginia Haufler MW 1:00pm - 1:50pm Th 4:00pm - 4:50pm	Seats (Total: 25) HJP 0226 TLF 1103	 Discussion
0104	Virginia Haufler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 TYD 2111	 Discussion
0105	Virginia Haufler MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) HJP 0226 TYD 2110	 Discussion
0106	Virginia Haufler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 TYD 2102	 Discussion
0107	Virginia Haufler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm *This section is restricted to Government and Politics majors.*	Seats (Total: 25) HJP 0226 TYD 0102	 Discussion
0108	Virginia Haufler MW 1:00pm - 1:50pm F 9:00am - 9:50am *This section is restricted to Government and Politics majors.*	Seats (Total: 25) HJP 0226 TYD 1101	 Discussion

0109	Virginia Haufler MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 TYD 2106	Discussion

This section is restricted to Government and Politics majors.

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0102	David Lalman MW 2:00pm - 3:15pm	Seats (Total: 50) ARM 0110

GVPT227 **The Craft of Political Science Research**

GVPT227 The Craft of Political Science Research; (4 credits) Grade Method: REG.
Prerequisite: GVPT100 and GVPT170. Sophomore standing. For BSOS majors only. An introduction to research design and statistics applicable to Political Science.

0101	James Gimpel, Daniel Biggers TuTh 2:00pm - 3:40pm	Seats (Total: 30) PLS 1129

GVPT240 **Political Ideologies**
Contact department for information to register for this course.

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0135 PLS 1111	Discussion
0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0135 PLS 1115	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0135 KEY 0123	Discussion
0104	James Glass MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0135 KEY 0120	Discussion
0105	James Glass MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0135 KEY 0121	Discussion
0106	James Glass MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARM 0135 TYD 1132	Discussion

GVPT282 **The Government and Politics of the Third World**
Contact department for information to register for this course.

GVPT289A **Special Topics in Government and Politics; International Political Relations**
Contact department for information to register for this course.

GVPT306 **Global Ecopolitics**

GVPT306 Global Ecopolitics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* Consideration of global problems such as the growth controversy, agricultural productivity, pollution, resource depletion, the energy crisis, and the general impact of science and technology on the world ecological, socio-economic, and political system with particular emphasis on such matters as objects of public policy.

0101	Rodrigo Pinto TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2109

GVPT309A **Topics in International Relations; Politics of War: From Vietnam to Iraq**

GVPT309A Topics in International Relations: Politics of War: From Vietnam to Iraq; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lois Vietri Tu 6:30pm - 9:15pm	Seats (Total: 40) TYD 1114

GVPT309C **Topics in International Relations; US Foreign Policy Toward Latin America and the Carribean**

GVPT309C Topics in International Relations: US Foreign Policy Toward Latin America and the Carribean; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: GVPT100. Recommended: GVPT200.

0101	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm	Seats (Total: 50) TYD 1102

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT319A **Topics in Social Advocacy; Mock Trial: Introduction to Advocacy**

GVPT319A *(PermReq)* **Topics in Social Advocacy: Mock Trial: Introduction to Advocacy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Mohammad Sadeghy W 6:30pm - 9:15pm	Seats (Total: 30) TYD 2106

GVPT321 **Intermediate Formal Theories of Political Behavior and Politics**

GVPT321 Intermediate Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 or permission of department. Analysis of the theory of games, social choice, voting and such notions of social welfare as distributive justice and liberty.

0101	David Lalman MW 3:30pm - 4:45pm	Seats (Total: 50) ARM 0110	

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170 or GVPT171. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231.* A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Alan Nemeth MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 HJP 1104	Discussion
0102	Alan Nemeth MW 9:00am - 9:50am Th 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0220 HBK 0123	Discussion
0103	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 TYD 0111	Discussion
0104	Alan Nemeth MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 TYD 1114	Discussion
0105	Alan Nemeth MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 25) JMZ 0220 TYD 0101	Discussion
0106	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	Discussion

GVPT339 **Topics in Public Law**
Contact department for information to register for this course.

GVPT349D **Topics in Political Philosophy; Comparative Politics**

Contact department for information to register for this course.

GVPT350 **International Relations of the Third World**

GVPT350 International Relations of the Third World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. A systemic view of relations between the industrialized and third world nations examining specific themes such as the legacy of colonialism, the origins and goals of national liberation movements, efforts to promote regional cooperation, and global movements such as nonalignment and the quest for a new international economic order.

0101	Dorith Grant-Wisdom	Seats (Total: 49)
	TuTh 2:00pm - 3:15pm	TYD 0111

GVPT354 **Peacebuilding, Post-Conflict Reconstruction, and International Development**

GVPT354 *(PermReq)* **Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as BSOS354. Credit will be granted for only one of the following: BSOS354 or GVPT354. A study of the interrelation between violent conflict and socio-economic development worldwide. Students will become familiar with current strategies for designing and implementing conflict-sensitive development strategies. Also offered as ANTH368I.

0101	John Grayzel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 0117
	For information on how to register for this course, Click Here.	

GVPT355 **Capstone I: International Development and Conflict Management**

GVPT355 *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Only open to students in IDCM Minor Program. Recommended: GVPT354. This course serves as one-half of the Capstone Session for the Minor in International Development and Conflict Management. It is designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management. This course must be taken in conjunction with GVPT356.

0101	Krista Anne Rigalo M 3:30pm - 6:15pm	Seats (Total: 40) TYD 1102

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101	Shanna Pearson-Merkowitz Contact instructor or department for details.	Seats (Total: 12)

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101	Shanna Pearson-Merkowitz M 6:30pm - 9:45pm	Seats (Total: 12) TYD 0101

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Lois Vietri	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 1111

GVPT388M **Topical Investigations; Mock Trial**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Mohammad Sadeghy	Seats (Total: 40)
	Contact instructor or department for details.	

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics; Honors Seminar in Public Policy, Political Behavior, and Methodlogy**

Contact department for information to register for this course.

GVPT399A **Seminar in Government and Politics; Game Theory**

GVPT399A Seminar in Government and Politics: Game Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr Swistak	Seats (Total: 40)
	Tu 3:30pm - 6:15pm	TYD 1108

GVPT399H **Seminar in Government and Politics; Why Is Good Government So Difficult**

GVPT399H Seminar in Government and Politics: Why Is Good Government So Difficult; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Honors students only.

0101	Joe Oppenheimer	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SQH 1103

GVPT399K **Seminar in Government and Politics; Religion and Politics**

Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**

Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Governance and Public Policy**

Contact department for information to register for this course.

GVPT399R	**Seminar in Government and Politics; Citizenship, Rights & Duties** **Contact department for information to register for this course.**
GVPT399T	**Seminar in Government and Politics; Social Policy, Social Exclusion** **Contact department for information to register for this course.**
GVPT399V	**Seminar in Government and Politics; Race, Ethnicity, and Social Policy** **Contact department for information to register for this course.**
GVPT399W	**Seminar in Government and Politics; Public Management** **Contact department for information to register for this course.**

GVPT402 **International Law**

GVPT402 International Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. A study of the basic character, general principles and specific rules of international law, with emphasis on recent and contemporary trends in the field and its relation to other aspects of international affairs.

SG91	Eugene Melcavage	Seats (Total: 30)
	MW 9:00am - 10:15am	Location: TBA
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	

GVPT403 **Law, Morality, War and Terrorism**

GVPT403 Law, Morality, War and Terrorism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. An exploration of the political and moral concerns involved in the use or threat of use of force in modern international affairs and diplomacy. Topics of intensive study include, among others, comparative and international laws governing terrorism and counter-terrorism, jus ad bellum, jus en bello, preemptive war, institutional legal processes for promoting the use of and enforcing international conflict resolution and arbitrary procedures to prevent or control international violence, and the roles of international courts in trials of war criminals and terrorists. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Marcus Franda W 3:30pm - 6:15pm	Seats (Total: 30) TYD 2110

GVPT406 **International Organizations**

GVPT406 International Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Credit will be granted for only one of the following: GVPT309B or GVPT406. Formerly GVPT309B. A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Marcus Franda Th 3:30pm - 6:15pm	Seats (Total: 30) TYD 2106

GVPT407 **International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski TuTh 8:00am - 9:15am	Seats (Total: 30) KEY 0103

GVPT409B **Seminar in International Relations and World Politics; Issues in Regional Integration: The Case of Post-Communist World**

GVPT409B Seminar in International Relations and World Politics: Issues in Regional Integration: The Case of Post-Communist World; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 1101

GVPT409D **Seminar in International Relations and World Politics; International Security**

GVPT409D Seminar in International Relations and World Politics: International Security; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Sarah Croco	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 1101

GVPT409H **Seminar in International Relations and World Politics; War**

GVPT409H Seminar in International Relations and World Politics: War; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT and HONR students only.

0101	George Quester	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 0101

GVPT409I **Seminar in International Relations and World Politics; Globalization and Governance of the Asia-Pacific**

GVPT409I Seminar in International Relations and World Politics: Globalization and Governance of the Asia-Pacific; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Touqir Hussain	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1108

GVPT409L **Seminar in International Relations and World Politics; Domestic Politics and International Conflict**

GVPT409L Seminar in International Relations and World Politics: Domestic Politics and International Conflict; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Sarah Croco	Seats (Total: 30)
	MW 5:00pm - 6:15pm	TYD 0111

GVPT409N **Seminar in International Relations and World Politics; US and United Nations**

GVPT409N Seminar in International Relations and World Politics: US and United Nations; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Kenneth Conca	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 0111

GVPT409Q **Seminar in International Relations and World Politics; US - China - Taiwan Relations**

GVPT409Q Seminar in International Relations and World Politics: US - China - Taiwan Relations; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Scott Kastner	Seats (Total: 30)
	M 3:30pm - 6:15pm	TYD 2106

GVPT409V **Seminar in International Relations and World Politics; Sectarianism in the Middle East**

GVPT409V Seminar in International Relations and World Politics: Sectarianism in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Daniel Corstange	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TYD 1132

GVPT419B **Seminar in Public Policy; Advanced Topis in Environmental Policy Analysis**

GVPT419B Seminar in Public Policy: Advanced Topis in Environmental Policy Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GVPT170 and GVPT273. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Kenneth Conca	Seats (Total: 30)
	Tu 3:30pm - 6:15pm	TYD 1132

GVPT422 **Quantitative Political Analysis**

GVPT422 Quantitative Political Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. For GVPT majors only. Introduction to quantitative methods of data analysis, including selected statistical methods, block analysis, content analysis, and scale construction. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Antoine Banks, Kerem Kalkan	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	KEY 0102

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections. For GVPT majors only. All other majors will be placed on the holdfile.

0101	James Gimpel	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 2111

GVPT424 **Topics in Formal Theories of Political Behavior and Politics**

GVPT424 Topics in Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 and GVPT241. For GVPT majors only. The focus of this course will vary both by its theoretical core and its applications. The theories are likely to be those of games, social choice, and voting. The applications will usually be to problems of distributive and social justice, community organizing, responsive public policy, institutional design, alliance and coalition formation, etc. Some of the topics will involve research projects. For GVPT majors only. All other majors will be placed on the holdfile.

0101	David Lalman	Seats (Total: 30)
	M 6:30pm - 9:15pm	TYD 2102

GVPT426 **Public Opinion**

GVPT426 Public Opinion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. Junior standing. For GVPT majors only. An examination of public opinion and its effect on political action, with emphasis on opinion formation and measurement, propaganda and pressure groups. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karen Kaufmann TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2106	

GVPT431 **Introduction to Constitutional Law**

GVPT431 Introduction to Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Michael Spivey TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 1101	 Discussion
0102	Michael Spivey TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 TYD 2106	 Discussion
0103	Michael Spivey TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 0101	 Discussion

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GVPT441 **History of Political Theory: Ancient and Medieval**

GVPT441 History of Political Theory: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Junior standing. For GVPT majors only. A survey of the principal political theories set forth in the works of writers before Machiavelli. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Charles Alford	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	TYD 0102

GVPT449B **Seminar in Political Philosophy; Political Theory and Social Criticism**

GVPT449B Seminar in Political Philosophy: Political Theory and Social Criticism; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Ian Ward	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2106

GVPT449H **Seminar in Political Philosophy; Democratic Theory**

GVPT449H Seminar in Political Philosophy: Democratic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT and HONR students only.

0101	Ian Ward	Seats (Total: 20)
	Tu 3:30pm - 6:15pm	KEY 0124

GVPT459D **Seminar in Comparative Politics; Terrorism**

GVPT459D Seminar in Comparative Politics: Terrorism; (3 credits) Grade Method: REG/P-F/AUD.

0101	Johanna Birnir	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 1102

GVPT473 **Legislatures and Legislation**

GVPT473 Legislatures and Legislation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only.* A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Eric Uslaner MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0117 ARC 1103	 Discussion
0102	Eric Uslaner MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0117 JMZ 2123	 Discussion
0103	Eric Uslaner MW 1:00pm - 1:50pm Th 4:00pm - 4:50pm	Seats (Total: 25) TYD 0117 TYD 2108	 Discussion

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Irwin Morris MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 TYD 2106	 Discussion
0102	Irwin Morris MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 TYD 0102	 Discussion
0103	Irwin Morris MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 TYD 1102	 Discussion

GVPT479B **Seminar in American Politics; Race, Ethnicity & Politics in the United States**

GVPT479B Seminar in American Politics: Race, Ethnicity & Politics in the United States; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Brian McKenzie MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1107	

GVPT479D **Seminar in American Politics; Minority Politics**

GVPT479D Seminar in American Politics: Minority Politics; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Stella Rouse TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2102	

GVPT622 **Quantitative Methods For Political Science**

GVPT622 Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs. Course will meet in the LeFrak OASIS lab.

0101	Geoffrey Layman W 12:30pm - 3:15pm F 1:00pm - 3:00pm	Seats (Total: 12) TYD 1136 COL 3111	 Discussion
0102	Geoffrey Layman W 6:30pm - 9:15pm F 1:00pm - 3:00pm	Seats (Total: 12) TYD 1111 COL 3111	 Discussion

GVPT700 **Scope and Method of Political Science**

GVPT700 Scope and Method of Political Science; (3 credits) Grade Method: REG/AUD.
Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed.

0201	Karol Soltan Th 12:30pm - 3:15pm	Seats (Total: 20) TYD 1111	

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

GVPT708A Seminar in International Relations Theory: International Relations Theory; (3 credits) Grade Method: REG/AUD.

0101	Virginia Haufler Tu 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136
0201	Scott Kastner Tu 12:30pm - 3:15pm	Seats (Total: 12) JMZ 0118

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG. *Prerequisite: Graduate Standing.* Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	Charles Alford Tu 6:30pm - 9:15pm	Seats (Total: 12) TYD 1111

GVPT770 **Seminar in American Political Institutions**

GVPT770 Seminar in American Political Institutions; (3 credits) Grade Method: REG/AUD.

This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Eric Uslaner M 3:30pm - 6:15pm	Seats (Total: 12) TYD 1136

GVPT772 **American Political Thought and Development**

GVPT772 American Political Thought and Development; (3 credits) Grade Method: REG/AUD.

A survey of major American political thinkers, ongoing themes in American political thought, and fundamental questions abouth American political development.

0101	Wayne McIntosh W 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT831 **Formal Theories of Politics I**

GVPT831 Formal Theories of Politics I; (3 credits) Grade Method: REG/AUD. Survey of major formal theories of politics, with emphasis on those theories based on the assumptions of rationality. The theory of public goods, game theory, coalition theory, and the theoretical properties of voting systems.

0101	Joe Oppenheimer Th 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT848C **Current Problems in Political Theory; Critics of Liberalism: Left and Right**

GVPT848C Current Problems in Political Theory: Critics of Liberalism: Left and Right; (3 credits) Grade Method: REG/AUD.

0101	Richard Boyd Th 6:30pm - 9:15pm	Seats (Total: 12) TYD 1111

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT859A **Selected Topics in Public Policy; Proseminar in Politics, Philosphy, and Public Policy**

GVPT859A Selected Topics in Public Policy: Proseminar in Politics, Philosphy, and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Alec Walen, Karol Soltan Tu 12:30pm - 3:15pm	Seats (Total: 15) VMH 1107

GVPT859D **Selected Topics in Public Policy; Political Economy**

GVPT859D Selected Topics in Public Policy: Political Economy; (3 credits) Grade Method: REG/AUD.

0101	Karol Soltan W 1:30pm - 4:15pm	Seats (Total: 12) JMZ 1123

GVPT876 **Seminar in National Security Policy**

GVPT876 Seminar in National Security Policy; (3 credits) Grade Method: REG/AUD.
An examination of the components of United States security policy. Factors, both internal and external, affecting national security will be considered. Individual reporting as assigned.

0101	George Quester Th 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT878A **Problems in American Government and Politics; URBAN POLITICS**

GVPT878A Problems in American Government and Politics: URBAN POLITICS; (3 credits) Grade Method: REG/AUD.

0101	Karen Kaufmann W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT888B **Selected Topics in Comparative Governmental Institutions; Middle East**

GVPT888B Selected Topics in Comparative Governmental Institutions: Middle East; (3 credits) Grade Method: REG/AUD.

0101	Daniel Corstange M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT888D **Selected Topics in Comparative Governmental Institutions; Terrorism**

GVPT888D Selected Topics in Comparative Governmental Institutions: Terrorism; (3 credits) Grade Method: REG/AUD.

0101	Johanna Birnir M 9:30am - 12:15pm	Seats (Total: 12) TYD 1111

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HEBR Hebrew Fall 2008

HEBR111 **Elementary Hebrew I**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111. Students who have studied Hebrew elsewhere are required to consult N. Levy.

HEBR111 Elementary Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability. For beginners. This course meets six hours per week for 6 credits.

0101	Nili Levy MW 9:00am - 10:50am F 9:00am - 10:50am	Seats (Total: 15) JMZ 1122 JMZ 3122
0201	Shira Oz-Sinai, Avital Feuer MWF 1:00pm - 1:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3118 JMZ 3118

0301	Shira Oz-Sinai, Avital Feuer MWF 2:00pm - 2:50pm Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 15) JMZ 3118 JMZ 2122 JMZ 1103

HEBR211 **Intermediate Hebrew I**

HEBR211 Intermediate Hebrew I; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR112 or equivalent. Study of linguistic structure, further development of audio-lingual, reading, writing, and speaking skills. Reading of texts and newspapers designed to give some knowledge of Hebrew life, thought and culture. Individual testing required for placement first week of class.

0101	Nili Levy MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0103
0201	Tamar Pelleg MWF 11:00am - 12:50pm	Seats (Total: 15) ARC 1127

HEBR313 **Conversation and Composition I**

HEBR313 Conversation and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR212 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Einat Gonen TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 3122
0201	Avital Feuer MW 3:30pm - 4:45pm	Seats (Total: 15) JMZ 3122

HEBR381 **Introduction to Hebrew Cultural Studies**

HEBR381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as JWST381. Credit will be granted for only one of the following: HEBR381 or JWST381. Critical study of Israeli culture with emphasis on literature, film, and art as sites of struggle over political and social meaning during times of cultural transformation. Focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

0101	Einat Gonen	Seats (Total: 14)
	TuTh 11:00am - 12:15pm	JMZ 1215

HEBR386 **Experiential Learning**

HEBR386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

HEBR499 **Independent Study in Hebrew**

HEBR499 Independent Study in Hebrew; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP Hearing and Speech Sciences Fall 2008

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	TYD 0117

0201	Tess Wood	Seats (Total: 45)
	TuTh 9:30am - 10:45am	BPS 1238

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker	Seats (Total: 75)
	TuTh 9:30am - 10:45am	MCB 1207

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	PeiTzu Tsai	Seats (Total: 53)
	TuTh 11:00am - 12:15pm	TYD 0102

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Barbara Sonies	Seats (Total: 55)
	MW 11:00am - 12:15pm	TYD 2109

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of 'C' or better, or permission of department. Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Kelly King	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	PLS 1130

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of 'C' (2.0) or better, or permission of department. Recommended: HESP120 or LING200. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Maria Dixon	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Matthew Winn	Seats (Total: 39)
	M 4:30pm - 7:05pm	TYD 1101

HESP406 **Acquired Neurogenic Communication Disorders in Adults**

HESP406 Acquired Neurogenic Communication Disorders in Adults; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: {HESP300 and HESP305} with a grade of 'C' (2.0) or better or permission of department. For HESP majors or by permission of department. Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.

0101	Yasmeen Shah	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP311 with a grade of 'C' (2.0) or better or permission of department. For HESP majors only or by permission of department. Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Maureen D'Antuono	Seats (Total: 25)
	MW 11:00am - 12:15pm	EDU 0114

HESP410 **Organic Speech Disorders**

HESP410 Organic Speech Disorders; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP305 with a grade of C (2.0) or better; or permission of department. Recommended: HESP403. For HESP majors only or permission of department. Credit will be granted for only one of the following: HESP410 or HESP498C. Formerly HESP498C.* Overview of cleft palate, pediatric and adult swallowing disorders, pediatric cerebral palsy, including dysarthria/apraxia, and their effects on communication; treatment considerations.

0101	Wei Tian	Seats (Total: 40)
	MW 9:30am - 10:45am	TYD 0111

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of 'C' (2.0) or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Christopher Zalewski	Seats (Total: 46)
	TuTh 5:00pm - 6:15pm	ASY 1213

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

HESP417 *(PermReq)* **Principles and Methods in Speech-Language Pathology and Audiology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: HESP400, HESP411, and at least one of HESP402, HESP404, HESP406, or HESP408 with a grade of 'C' (2.0) or better; or permission of department. For HESP majors or permission of department. Offered fall only.* The principles underlying the treatment of speech, language and hearing disorders in children and adults. Offered fall only.

0101	Sharon Palmer, Vivian Sisskin	Seats (Total: 52)
	MW 1:00pm - 2:50pm	LEF 2208

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP600 **Instrumentation in Hearing and Speech Sciences**

HESP600 *(PermReq)* **Instrumentation in Hearing and Speech Sciences; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology and permission of department; or permission of instructor. Types and principles of operation of electronic equipment used in the hearing and speech sciences. Offered fall only.

0101	Peter Fitzgibbons W 3:30pm - 6:00pm	Seats (Total: 10) LEF 0104A

HESP606 **Basic Hearing Measurements**

HESP606 Basic Hearing Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology, (HESP411 or equivalent) and permission of department; or permission of instructor. Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Sandra Gordon-Salant Th 3:30pm - 6:00pm	Seats (Total: 30) LEF 0135

HESP612 **Fluency Disorders**

HESP612 *(PermReq)* **Fluency Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. The nature of fluency disorders. Principles, methods and procedures for the clinical management of fluency disorders in children and adults.

0101	Vivian Sisskin, Nan Ratner Tu 1:00pm - 3:30pm	Seats (Total: 25) LEF 0135

HESP616 **Language Disorders in Children**

HESP616 Language Disorders in Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language, (HESP400 or equivalent), and permission of department; or permission of instructor. Theoretical, empirical and clinical perspectives on language disorders in children.

0101	Froma Roth	Seats (Total: 20)
	Th 1:00pm - 3:30pm	LEF 0135

HESP622 **Neuromotor Disorders of Speech**

HESP622 *(PermReq)* **Neuromotor Disorders of Speech; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. Effects of neuropathology on speech production. Classification and assessment of the resultant disorders and their treatment.

0101	Nancy Solomon	Seats (Total: 25)
	Tu 6:30pm - 9:15pm	LEF 0135

HESP624 **Voice Disorders**

HESP624 *(PermReq)* **Voice Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Wei Tian	Seats (Total: 30)
	Th 5:00pm - 7:30pm	JRN 1105

HESP630 **Electrophysiological Measurements**

HESP630 Electrophysiological Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology, HESP606, and permission of department; or permission of instructor. Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms. Offered fall only.

0101	Tracy Fitzgerald F 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

HESP700 Hearing Aids; (3 credits) Grade Method: REG/AUD.
Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	Harvey Abrams	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	LEF 1221

HESP701 **Hearing Aids II**

HESP701 Hearing Aids II; (3 credits) Grade Method: REG.
Prerequisite: For students seeking doctoral degree in Audiology, HESP700, and permission of department; or permission of instructor. For HESP majors only.
Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations. Course Chairman: Margaret McCabe.

0101	Cherish Giusto, Margaret McCabe	Seats (Total: 10)
	W 3:30pm - 6:00pm	LEF 0135

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

HESP702 Diagnostic Procedures in Speech-Language Pathology; (3 credits) Grade Method: REG/AUD.
Prerequisite: For student seeking masters degree in Speech Language and permission of department; or permission of instructor. Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Colleen Worthington	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

HESP710 Industrial and Environmental Noise Problems; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Lynn Cook W 6:00pm - 8:30pm	Seats (Total: 20) LEF 1201

HESP722 **Experimental Audiology**

HESP722 Experimental Audiology; (3 credits) Grade Method: REG/AUD.
Experimental techniques in the investigation of problems in audiology.

0101	Monita Chatterjee Tu 4:00pm - 6:30pm	Seats (Total: 20) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe TBA Contact instructor or department for details.	Seats (Total: 10) LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP818 **Seminar in Language Processing; Seminar in Language Processing**

HESP818 Seminar in Language Processing: Seminar in Language Processing; (3 credits) Grade Method: REG.

0101	Nan Ratner	Seats (Total: 5)
	Contact instructor or department for details.	

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP848 **Seminar in Audiology**

HESP848 Seminar in Audiology; (3 credits) Grade Method: REG/AUD.

0101	Monita Chatterjee	Seats (Total: 25)
	M 4:00pm - 6:40pm	LEF 1220

HESP868 **Seminar in Speech Science**

HESP868 Seminar in Speech Science; (3 credits) Grade Method: REG/AUD.

1601	Nan Ratner	Seats (Total: 3)
	Contact instructor or department for details.	

HESP888 **Seminar in Neurological Bases of Language; Seminar in Neurological Bsaes of Language**

HESP888 Seminar in Neurological Bases of Language: Seminar in Neurological Bsaes of Language; (3 credits) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP Historic Preservation Fall 2008

HISP600 **Introductory Seminar in Historic Preservation: Theory, History and Practice**

HISP600 *(PermReq)* **Introductory Seminar in Historic Preservation: Theory, History and Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. An introduction to the wide range of ideas underpinning the practice of preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Donald Linebaugh	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	ARC 1101

HISP610 **Preservation Documentation and Research Methods**

HISP610 *(PermReq)* **Preservation Documentation and Research Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP 610 or HISP 619Q. Formerly HISP619Q. An overview of common research methods and documentation tools used in historic preservation. Introductions to graphic documentation, building investigation, historical research, socioeconomic data collection and analysis.

0101	Jeffrey Winstel	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1101

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP650 **Historic Preservation Studio Workshop**

HISP650 *(PermReq)* **Historic Preservation Studio Workshop; (6 credits)** Grade Method: REG/AUD.
Prerequisite: HISP600; and permission of department. Recommended: First Year MHP Courses. For HISP majors only. Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group.

0101	Mary Konsoulis	Seats (Total: 15)
	TuTh 3:00pm - 6:00pm	Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP670 **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

HISP670 *(PermReq)* **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619T or HISP670. Formerly HISP619T. Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

0101	Hector Abreu	Seats (Total: 15)
	Th 7:00pm - 9:40pm	ARC 1121

HISP680 **Preservation Economics**

HISP680 *(PermReq)* **Preservation Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP619N. Credit will be granted for only one of the following: HISP619N or HISP680. Formerly HISP619N. Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Constance Ramirez, Alfred Tetrault	Seats (Total: 15)
	M 7:00pm - 9:40pm	ARC 1125

HISP700 **Final Seminar in Historic Preservation**

HISP700 *(PermReq)* **Final Seminar in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. Several group seminars during the semester to discuss project development and research strategies are included.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)
0102	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)

HISP701 **Certificate Portfolio Project**

HISP701 Certificate Portfolio Project; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 20)

HIST History Fall 2008

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Arthur Eckstein TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion

0102	Arthur Eckstein TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0103	Arthur Eckstein TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0104	Arthur Eckstein TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0105	Arthur Eckstein TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0106	Arthur Eckstein TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0107	Arthur Eckstein TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Arthur Eckstein TuTh 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	Arthur Eckstein TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0110	Arthur Eckstein TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0111	Arthur Eckstein TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion

0112	Arthur Eckstein TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	 Discussion

HIST111 **The Medieval World**

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Jeanne Rutenburg MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	 Discussion
0102	Jeanne Rutenburg MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0103	Jeanne Rutenburg MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	 Discussion
0104	Jeanne Rutenburg MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0105	Jeanne Rutenburg MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0106	Jeanne Rutenburg MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2117	 Discussion
0107	Jeanne Rutenburg MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion

0108	Jeanne Rutenburg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0109	Jeanne Rutenburg MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0110	Jeanne Rutenburg MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0111	Jeanne Rutenburg MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0112	Jeanne Rutenburg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 2103	Discussion

HIST111H **The Medieval World**

HIST111H The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.

0101	Jeanne Rutenburg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 15) KEY 0106 TLF 2108	Discussion

HIST113 **Modern Europe: 1789 - Present**

HIST113 Modern Europe: 1789 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Evolution of modern nation states. Industrial-economic structure and demography. Emergence of modern secular society.

0101	Katherine David-Fox MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 KEY 0124	Discussion

0102	Katherine David-Fox MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) EGR 1202 EGR 1102	Discussion
0103	Katherine David-Fox MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) EGR 1202 EGR 3114	Discussion
0104	Katherine David-Fox MW 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) EGR 1202 KEY 0119	Discussion
0105	Katherine David-Fox MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) EGR 1202 EGR 2116	Discussion
0106	Katherine David-Fox MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) EGR 1202 JMZ 2122	Discussion
0107	Katherine David-Fox MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) EGR 1202 WDS 1131	Discussion
0108	Katherine David-Fox MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 KEY 0117	Discussion
FC01	Nicholas Schlosser MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) KEY 0121	

HIST120 **Islamic Civilization**

HIST120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Peter Wien TuTh 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0102	Peter Wien TuTh 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0103	Peter Wien TuTh 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0126	Discussion
0104	Peter Wien TuTh 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0124	Discussion

HIST122 **African Civilization to 1800**

HIST122 African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
History of Africa from earliest times to 1800. Topics of study include origins of African societies, Nile Valley civilization, medieval African states and societies, Islam, oral traditions, African slavery and the slave trade, and early African-European interactions. Also offered as AASP298A.

0101	Paul Landau MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Paul Landau MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0103	Paul Landau MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 WDS 1130	Discussion
0104	Paul Landau MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 1122	Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Ira Berlin MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0102	Ira Berlin MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TYD 1102	Discussion
0103	Ira Berlin MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0104	Ira Berlin MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0105	Ira Berlin MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0106	Ira Berlin MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0107	Ira Berlin MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0108	Ira Berlin MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	Ira Berlin MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion

0110	Ira Berlin MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0111	Ira Berlin MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0112	Ira Berlin MW 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0201	David Grimsted TuTh 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0202	David Grimsted TuTh 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0203	David Grimsted TuTh 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0204	David Grimsted TuTh 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0205	David Grimsted TuTh 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0206	David Grimsted TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0207	David Grimsted TuTh 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion

0208	David Grimsted TuTh 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0209	David Grimsted TuTh 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0210	David Grimsted TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0211	David Grimsted TuTh 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0212	David Grimsted TuTh 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
FC01	Donald McNeilly TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 29) MTH 0101	

HIST157 **History of the United States Since 1865**

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	David Freund MW 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0122	Discussion
0102	David Freund MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0103	David Freund MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 HJP 1229	Discussion
0104	David Freund MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0105	David Freund MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0106	David Freund MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	David Freund MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	David Freund MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TYD 2110	Discussion
0109	David Freund MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0110	David Freund MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0111	David Freund MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0112	David Freund MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 PLS 1146	Discussion

0201	Edwin Smead MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0202	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0203	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion
0204	Edwin Smead MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0205	Edwin Smead MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0206	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0207	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0208	Edwin Smead MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0102	Discussion
0209	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0210	Edwin Smead MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion

0211	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0212	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0301	Donald McNeilly TuTh 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0302	Donald McNeilly TuTh 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0303	Donald McNeilly TuTh 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 COL 3114	 Discussion
0304	Donald McNeilly TuTh 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0305	Donald McNeilly TuTh 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0306	Donald McNeilly TuTh 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0307	Donald McNeilly TuTh 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0125	 Discussion
0308	Donald McNeilly TuTh 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion

0309	Donald McNeilly TuTh 1:00pm - 1:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0310	Donald McNeilly TuTh 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0311	Donald McNeilly TuTh 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0312	Donald McNeilly TuTh 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion

HIST175 **Science and Technology in Western Civilization**

HIST175 Science and Technology in Western Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Key periods of change in science and technology; the causes and effects of these changes beginning with prehistory and ending with the current century.

0101	Robert Friedel MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0102	Robert Friedel MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0103	Robert Friedel MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0104	Robert Friedel MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion

0105	Robert Friedel MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0106	Robert Friedel MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0118	 Discussion
0107	Robert Friedel MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0108	Robert Friedel MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 ARM 0102	 Discussion

HIST208F **Historical Research and Methods Seminar; The West and Human Rights in the 20th Century**

HIST208F *(PermReq)* **Historical Research and Methods Seminar: The West and Human Rights in the 20th Century; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Paul Schmitt Tu 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2110

HIST208W **Historical Research and Methods Seminar; Women, Revolution, and Authoritarianism in 20th-Century Latin America.**

HIST208W *(PermReq)* **Historical Research and Methods Seminar: Women, Revolution, and Authoritarianism in 20th-Century Latin America.; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Patricia Acerbi M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100
0201	Patricia Acerbi F 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

HIST208X **Historical Research and Methods Seminar; Race, Ethnicity, and Rule in 19th Century European Empires**

HIST208X *(PermReq)* **Historical Research and Methods Seminar: Race, Ethnicity, and Rule in 19th Century European Empires; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Jeremy Best Tu 9:30am - 11:30am Contact instructor or department for details.	Seats (Total: 15) TLF 2100
0201	Jeremy Best Tu 12:30pm - 2:30pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

HIST208Y **Historical Research and Methods Seminar; Women in 19th Century U.S. South**

HIST208Y *(PermReq)* **Historical Research and Methods Seminar: Women in 19th Century U.S. South; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Kimberly Welch W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100
0201	Kimberly Welch Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108

HIST208Z **Historical Research and Methods Seminar; War, the University of Maryland, and Twentieth-Century America**

HIST208Z *(PermReq)* **Historical Research and Methods Seminar: War, the University of Maryland, and Twentieth-Century America; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Amy Rutenberg M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0125

0201	Amy Rutenberg Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2103	

HIST210 **Women in America to 1880**

HIST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as WMST210. Credit will be granted for only one of the following: HIST210 or WMST210.* An examination of the economic, family and political roles of colonial, slave, immigrant and frontier women in America from pre-industrial colonial period through the early stages of the 19th-century industrialization and urbanization.

0101	Clare Lyons MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 WDS 1127	Discussion
0102	Clare Lyons MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 HBK 0125	Discussion
0103	Clare Lyons MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 0104	Discussion
0104	Clare Lyons MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 1130	Discussion
0105	Clare Lyons MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 LEF 1201	Discussion
0106	Clare Lyons MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 0104	Discussion
0107	Clare Lyons MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 KEY 0123	Discussion

0108	Clare Lyons MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 1131	Discussion

HIST216 **Introduction to the Study of World Religions**

HIST216 Introduction to the Study of World Religions; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Survey of the history and development of major religions as a significant aspect of social and cultural history. Discusses major scholarly approaches to the study of religion.

FC01	Peter Antoci University Chaplain TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 28) MTH 0306

HIST219E **Special Topics in History; History of Ancient Egypt**

HIST219E Special Topics in History: History of Ancient Egypt; (3 credits) Grade Method: REG.
Also offered as JWST219Q

0101	Mark Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 60) TYD 2109

HIST219G **Special Topics in History; Asian American History**

HIST219G Special Topics in History: Asian American History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST201.

0101	Larry Shinagawa MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0201	Larry Shinagawa MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1127	Discussion

0301	Larry Shinagawa MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 HBK 1116	Discussion
0401	Larry Shinagawa MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 EDU 1210B	Discussion

HIST219R **Special Topics in History; The Cold War**
Contact department for information to register for this course.

HIST219X **Genocide and War Crimes from the Holocaust to Darfur**

HIST219X Genocide and War Crimes from the Holocaust to Darfur; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.

FC01	Paul Schmitt MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 28) KEY 0126

HIST222 **Immigration and Ethnicity in America**

HIST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as AAST222. Credit will be granted for only one of the following: AAST222, AAST298A, HIST219L or HIST222. Formerly HIST219L.* The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in America culture.

0101	Julie Park MWF 2:00pm - 2:50pm	Seats (Total: 40) ASY 3211

HIST224 **Modern Military History, 1494-1815**

HIST224 Modern Military History, 1494-1815; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Empire.

0101	Timothy Francis TuTh 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0102	Timothy Francis TuTh 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0116	 Discussion
0103	Timothy Francis TuTh 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0104	Timothy Francis TuTh 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2123	 Discussion
0105	Timothy Francis TuTh 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 3203	 Discussion
0106	Timothy Francis TuTh 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0107	Timothy Francis TuTh 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0108	Timothy Francis TuTh 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1117	 Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST235 **History of Britain 1461 to 1714**

HIST235 History of Britain 1461 to 1714; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0103	

HIST236 **History of Britain 1688 to Present**
Contact department for information to register for this course.

HIST237 **Russian Civilization**

HIST237 Russian Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

0101	Alfred Rieber TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 1122	 Discussion
0102	Alfred Rieber TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 KEY 0119	 Discussion
0103	Alfred Rieber TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 HBK 0125	 Discussion
0104	Alfred Rieber TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 WDS 1131	 Discussion

HIST250 **Latin American History I**

HIST250 Latin American History I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Latin America from pre-Columbian Indian cultures to the beginnings of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments.

0101	David Sartorius MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 WDS 1130	Discussion
0102	David Sartorius MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0120	Discussion
0103	David Sartorius MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0104	David Sartorius MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

HIST255 **African-American History, 1865 - Present**

HIST255 African-American History, 1865 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An introductory course in the African-American experience in the United States from 1865 to present. Topics include the aftermath of the Civil War on US race relations, the rise of segregation, northern migration, World War I and II, Civil Rights Movements, and the Black Power Movement.

0101	Alfred Moss TuTh 11:00am - 12:15pm	Seats (Total: 40) CHM 2201	

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

FC01	Daniel Rubin	Seats (Total: 28)	
	MW 7:30pm - 8:45pm	KEY 0121	
	This section is only open to students in Freshmen Connection.		

HIST275 **Law and Constitutionalism in American History**

HIST275 Law and Constitutionalism in American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
An exploration of the relationship between law and the social and political order between 1750 and 1950. Discussion of important historical issues--religious liberty, economic development, slavery and the Civil War, the political economy of industrialization, the creation of the modern state--from a legal and constitutional perspective.

FC01	Ian Drake	Seats (Total: 29)	
	TuTh 7:30pm - 8:45pm	KEY 0116	
	This section is only open to students in Freshmen Connection.		

HIST282 **History of the Jewish People I**

HIST282 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as JWST234. Credit will be granted for only one of the following: HIST282 or JWST234. Political, economic, social and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin	Seats (Total: 20)	
	MW 11:00am - 11:50am	KEY 0106	
	Tu 9:30am - 10:20am	JMZ 0208	Discussion

0102	Hayim Lapin MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 BPS 1234	Discussion
0103	Hayim Lapin MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0104	Hayim Lapin MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0121	Discussion
0105	Hayim Lapin MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0106	Hayim Lapin MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0107	Hayim Lapin MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Hayim Lapin MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ARM 0105	Discussion

HIST282H **History of the Jewish People I**

HIST282H History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as JWST234. Credit will be granted for only one of the following: HIST282 or JWST234.*

0101	Hayim Lapin MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion

HIST284 **East Asian Civilization I**

HIST284 East Asian Civilization I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Charles Lilley TuTh 2:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0102	Charles Lilley TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 HBK 0125	Discussion
0103	Charles Lilley TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0104	Charles Lilley TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0125	Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST329B **Special Topics in History; The Korean War on Film**

HIST329B Special Topics in History: The Korean War on Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0302H	

HIST329C **Special Topics in History; From Caliphs to Sultans: Medieval Islamic States**

HIST329C Special Topics in History: From Caliphs to Sultans: Medieval Islamic States; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut	Seats (Total: 30)
	MW 11:00am - 12:15pm	TLF 2103

HIST329D **Special Topics in History; Democracy & Dictatorship in Europe 1918-1945**
Contact department for information to register for this course.

HIST329G **Special Topics in History; Africans in 18th Century Britain**
Contact department for information to register for this course.

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

HIST330 Europe in the Making: The Early Medieval West (A.D. 300-1000); (3 credits) Grade Method: REG/P-F/AUD.
From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

0101	Janna Bianchini	Seats (Total: 39)
	TuTh 9:30am - 10:45am	KEY 0125

HIST332 **Europe During the Renaissance and Reformation I**

HIST332 Europe During the Renaissance and Reformation I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111 or HIST112; or permission of instructor. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economics trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Philip Soergel	Seats (Total: 40)
	MW 12:30pm - 1:45pm	KEY 0103

HIST352 **America in the Colonial Era, 1600-1763**

HIST352 America in the Colonial Era, 1600-1763; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, or HIST254; or permission of instructor. The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.

0101	Miles Bradbury	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0116

HIST354 **Ante-Bellum America 1815-1861**

HIST354 Ante-Bellum America 1815-1861; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, HIST222, HIST254, or HIST275; or permission of instructor. Traces how the strong nationalism after the War of 1812 transformed into the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North- South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

0101	Donald McNeilly	Seats (Total: 38)
	TuTh 11:00am - 12:15pm	KEY 0125

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead	Seats (Total: 100)
	MW 2:00pm - 3:15pm	KEY 0102

HIST375 **Modern Jewish History II: World Jewry Since 1870**

HIST375 Modern Jewish History II: World Jewry Since 1870; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST344. Credit will be granted for only one of the following: HIST375 or JWST344. Continuation of HIST374.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST376 **History of Zionism and the State of Israel**

HIST376 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST342. Credit will be granted for only one of the following: HIST376 or JWST342. Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Ha-am, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society.

0101	Nina Spiegel	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

HIST395 *(PermReq)* **Honors Colloquium I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For HIST majors only. History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	Arthur Eckstein Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2108

HIST398 **Honors Thesis**

HIST398 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Arthur Eckstein M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2101

HIST405 **Environmental History**

HIST405 Environmental History; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Thomas Zeller TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 1117

HIST406 **History of Technology**

HIST406 History of Technology; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed HIST407 prior to Fall Semester, 1989. The changing character of technology in modern history, beginning with the Middle Ages. Concentrates on the Industrial Revolution and its aftermath, the nature of technological knowledge and the sources of technological change.

0101	Robert Friedel MW 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST408B **Senior Seminar; Asia Pacific War & Occupation of Japan**

HIST408B *(PermReq)* **Senior Seminar: Asia Pacific War & Occupation of Japan; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Marlene Mayo Tu 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408C **Senior Seminar; Early American History**

HIST408C *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Miles Bradbury Tu 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408F **Senior Seminar; 20th Century African American History**

HIST408F *(PermReq)* **Senior Seminar: 20th Century African American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alfred Moss Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408G **Senior Seminar; Understanding Early Modern Europe**

HIST408G *(PermReq)* **Senior Seminar: Understanding Early Modern Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Philip Soergel W 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408M **Senior Seminar; Transnational Labor History**

HIST408M *(PermReq)* **Senior Seminar: Transnational Labor History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Julie Greene M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408R **Senior Seminar; Race in Latin America**

HIST408R *(PermReq)* **Senior Seminar: Race in Latin America; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Karin Rosemblatt W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST408V **Senior Seminar; Immigration and Ethnicity in the United States**

HIST408V *(PermReq)* **Senior Seminar: Immigration and Ethnicity in the United States; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Lisa Mar M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408W **Senior Seminar; From the "Kosovo Maiden" to the Good Soldier Svejk: War in Eastern Europe and its Representations**

HIST408W *(PermReq)* **Senior Seminar: From the "Kosovo Maiden" to the Good Soldier Svejk: War in Eastern Europe and its Representations; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Katherine David-Fox W 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 12) KEY 0117

HIST408Z **Senior Seminar; The Atlantic World: The Invention of America**

HIST408Z *(PermReq)* **Senior Seminar: The Atlantic World: The Invention of America; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alejandro Caneque Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST415 **History of European Ideas II**

HIST415 History of European Ideas II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST113 or HIST240; or permission of instructor.* A continuation of HIST414 emphasizing 19th and 20th-century thought.

0101	Jeffrey Herf TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 1117

HIST419E **Special Topics in History; History of South Africa**

HIST419E Special Topics in History: History of South Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Paul Landau MW 12:00pm - 1:15pm	Seats (Total: 39) KEY 0125

HIST419I **Special Topics in History; Old Regime France**

HIST419I Special Topics in History: Old Regime France; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Sutherland MW 1:00pm - 2:15pm	Seats (Total: 40) KEY 0126

HIST426 **Age of Industry: Britain 1760 to 1914**
Contact department for information to register for this course.

HIST428D **Selected Topics in History; Britain, Ireland and Democracy 1860-1922**
Contact department for information to register for this course.

HIST428E **Selected Topics in History; Witchcraft, Magic and Religion in England**
Contact department for information to register for this course.

HIST428F **Selected Topics in History; London in Peace & War c. 1900-1980**
Contact department for information to register for this course.

HIST428G **Selected Topics in History; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST428P **Selected Topics in History; Race and Society, the American South 1868-1968**
Contact department for information to register for this course.

HIST429A **Special Topics in History; Society and Culture in Victorian Britain**

HIST429A Special Topics in History: Society and Culture in Victorian Britain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Taddeo	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 1117

HIST429B **Special Topics in History; Cultural History of the Chinese Revolutions**

HIST429B Special Topics in History: Cultural History of the Chinese Revolutions; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEY 0123

HIST429C **Special Topics in History; The English Civil Wars, 1629-1660**

HIST429C Special Topics in History: The English Civil Wars, 1629-1660; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sabrina Baron	Seats (Total: 39)
	TuTh 9:30am - 10:45am	KEY 0126

HIST429D **Special Topics in History; Visions of America: European Americanism and Anti-Americanism in the 20th century**

HIST429D Special Topics in History: Visions of America: European Americanism and Anti-Americanism in the 20th century; (3 credits) Grade Method: REG/P-F/AUD.

0101	Saverio Giovacchini TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 1117

HIST429E **Special Topics in History; Women and Reform Movements in 20th Century US**

HIST429E Special Topics in History: Women and Reform Movements in 20th Century US; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robyn Muncy TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0103

HIST429F **Special Topics in History; Religious Movements in European Jewish History**

HIST429F Special Topics in History: Religious Movements in European Jewish History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419G.

0101	Rachel Manekin MW 11:00am - 12:15pm	Seats (Total: 40) ARM 0112

HIST429I **Special Topics in History; Knowing Our History: African American Slavery and the University of Maryland**

HIST429I *(PermReq)* **Special Topics in History: Knowing Our History: African American Slavery and the University of Maryland; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ira Berlin, Herbert Brewer MW 10:00am - 11:15am	Seats (Total: 25) TLF 2110

HIST429J **Special Topics in History; The Atlantic World in the Early Modern Period 1500-1800**

HIST429J Special Topics in History: The Atlantic World in the Early Modern Period 1500-1800; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alejandro Caneque TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

HIST429K **Special Topics in History; Borderlands and Frontiers: A Comparative Perspective**

HIST429K Special Topics in History: Borderlands and Frontiers: A Comparative Perspective; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alfred Rieber Th 3:30pm - 6:00pm	Seats (Total: 8) TLF 2108

HIST429M **Special Topics in History; Wealth and Poverty in Modern Latin America**

HIST429M Special Topics in History: Wealth and Poverty in Modern Latin America; (3 credits) Grade Method: REG/P-F/AUD.
also offered as LASC429M.

0101	Karen Caplan Tu 2:00pm - 4:30pm	Seats (Total: 20) SQH 2121

HIST429O **Special Topics in History; Nazi Germany**

HIST429O Special Topics in History: Nazi Germany; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey Herf Tu 6:00pm - 8:30pm	Seats (Total: 10) TLF 2100

HIST429P **Special Topics in History; Jewish Enlightenment in its National Contexts**

HIST429P Special Topics in History: Jewish Enlightenment in its National Contexts; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rachel Manekin M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) JMZ 1224

HIST437 **Modern France from Napoleon to DeGaulle**

HIST437 Modern France from Napoleon to DeGaulle; (3 credits) Grade Method: REG/P-F/AUD.
The changing political and cultural values of French society in response to recurrent crises throughout the 19th and 20th centuries. Students should have had some previous survey of either Western civilization or European history.

0101	Donald Sutherland MW 9:00am - 10:15am	Seats (Total: 40) KEY 0116

HIST442 **Twentieth-Century Russia**

HIST442 Twentieth-Century Russia; (3 credits) Grade Method: REG/P-F/AUD. Russia and the Soviet Union from the fall of the tsars to the post- communist present. Impact of Leninism, Stalinism and Soviet Communism on state, society, culture and nationality.

0101	Michael David-Fox TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0111

HIST443 **Modern Balkan History**

HIST443 Modern Balkan History; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST113 or HIST240; or permission of instructor.* A political, socioeconomic, and cultural history of Yugoslavia, Bulgaria, Romania, Greece, and Albania from the breakdown of Ottoman domination to the present. Emphasis is on movements for national liberation during the 19th-century and on approaches to modernization in the 20th-century.

0101	John Lampe MW 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST451 **Economic History of the United States After 1865**

HIST451 Economic History of the United States After 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. The evolution of the U.S. economy from the end of the Civil War to the present; emphasis on macroeconomic policy making and relations among business, government and organized labor.

0101	David Sicilia TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST457 **History of American Culture and Ideas Since 1865**

HIST457 History of American Culture and Ideas Since 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. A continuation of HIST456, from the Civil War to the present.

0101	James Gilbert MW 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

HIST463 **History of the Old South**
Contact department for information to register for this course.

HIST471 **History of Brazil**

HIST471 History of Brazil; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST250, HIST251, LASC234, or LASC235; or permission of instructor. The history of Brazil with emphasis on the national period.

0101	Daryle Williams MW 12:00pm - 1:15pm	Seats (Total: 40) KEY 0102

HIST481 **A History of Modern China**

HIST481 A History of Modern China; (3 credits) Grade Method: REG/P-F/AUD.
Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.

0101	James Gao TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST482 **History of Japan to 1800**

HIST482 History of Japan to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.

0101	Marlene Mayo	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	KEY 0103

HIST491 **History of the Ottoman Empire**

HIST491 History of the Ottoman Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.

0101	Madeline Zilfi	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEY 0121

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST600 **Historiography**

HIST600 Historiography; (3 credits) Grade Method: REG/AUD.
Historical writing and critical analysis of selected interpretations and generalizations made by leading historians with examples from both European and United States history.

0101	David Grimsted	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2110

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD.
An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Saverio Giovacchini Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.

0101	Daryle Williams Contact instructor or department for details.	Seats (Total: 15)
0201	David Sicilia Contact instructor or department for details.	Seats (Total: 6)

HIST608A **General Seminar; American History**

HIST608A *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Clare Lyons M 1:00pm - 3:35pm	Seats (Total: 12) TLF 2108

HIST608C **General Seminar; European History**

HIST608C *(PermReq)* **General Seminar: European History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	John Lampe M 1:00pm - 3:35pm	Seats (Total: 12) TLF 2110

HIST608E **General Seminar; Women's and Gender History**

HIST608E *(PermReq)* **General Seminar: Women's and Gender History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Sonya Michel W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619E **Special Topics in History; Readings in Middle East History**

HIST619E *(PermReq)* **Special Topics in History: Readings in Middle East History; (3 credits)** Grade Method: REG/AUD.
By Permission of Instructor

0101	Madeline Zilfi	Seats (Total: 12)
	Tu 6:30pm - 9:00pm	KEY 2120

HIST619J **Special Topics in History; Civil Rights Movement**

HIST619J Special Topics in History: Civil Rights Movement; (3 credits) Grade Method: REG/AUD.

0101	Elsa Barkley Brown	Seats (Total: 12)
	M 6:30pm - 9:05pm	TLF 2108

HIST619K **Special Topics in History; Race in Latin America**

HIST619K Special Topics in History: Race in Latin America; (3 credits) Grade Method: REG/AUD.

0101	Karin Rosemblatt M 6:20pm - 9:00pm	Seats (Total: 12) TLF 2101

HIST619L **Special Topics in History; The New South**

HIST619L Special Topics in History: The New South; (3 credits) Grade Method: REG/AUD.

0101	Leslie Rowland Th 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST619O **Special Topics in History; Greek Historiography: Thucydides**

HIST619O Special Topics in History: Greek Historiography: Thucydides; (3 credits) Grade Method: REG/AUD.

0101	Arthur Eckstein W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST619R **Special Topics in History; What Makes A City? The Politics and Culture of Metropoltan America in the Late 20th Century**

HIST619R Special Topics in History: What Makes A City? The Politics and Culture of Metropoltan America in the Late 20th Century; (3 credits) Grade Method: REG/AUD.
Also offered as AMST628L.

0101	David Freund W 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

HIST619V **Special Topics in History; Nazi Germany**

HIST619V Special Topics in History: Nazi Germany; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf Tu 6:00pm - 8:30pm	Seats (Total: 5) TLF 2100

HIST619X **Special Topics in History; History of Slavery**

HIST619X Special Topics in History: History of Slavery; (3 credits) Grade Method: REG/AUD.

0101	Ira Berlin W 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

HIST619Z **Special Topics in History; Borderlands and Frontiers: A Comparative Perspective**

HIST619Z Special Topics in History: Borderlands and Frontiers: A Comparative Perspective; (3 credits) Grade Method: REG/AUD.

0101	Alfred Rieber Th 3:30pm - 6:00pm	Seats (Total: 6) TLF 2108

HIST648 **Readings in Early 20th-Century America, 1900-1941**

HIST648 Readings in Early 20th-Century America, 1900-1941; (3 credits) Grade Method: REG/AUD.

0101	Robyn Muncy Tu 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST669 **Readings in U.S. Economic and Business History**

HIST669 Readings in U.S. Economic and Business History; (3 credits) Grade Method: REG/AUD.

0101	David Sicilia Th 6:00pm - 8:30pm	Seats (Total: 12) TLF 2110

HIST678 **Readings in American Labor History**

HIST678 Readings in American Labor History; (3 credits) Grade Method: REG/AUD.

0101	Julie Greene W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2110

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST798A **Readings in Jewish History; Jews and Cities: The impact of Urbanization and Immigration in Modern History**

HIST798A Readings in Jewish History: Jews and Cities: The impact of Urbanization and Immigration in Modern History; (3 credits) Grade Method: REG/AUD.
Also offered as JWST648N.

0101	Marsha Rozenblit	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	KEY 0107

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST810 **Museum Research Seminar**

HIST810 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: HIST610. Also offered as AMST856. Credit will be granted for only one of the following: AMST638D, AMST856, HIST810 or HIST819D. Formerly HIST819D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.

0101	Robert Friedel W 4:00pm - 6:30pm	Seats (Total: 5) TLF 2101

HIST811 **Museum Scholarship Practicum**

HIST811 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: HIST810 and permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies Contact instructor or department for details.	Seats (Total: 2)
0901	Nancy Struna Contact instructor or department for details.	Seats (Total: 2)

HIST819A **Special Topics in History: Independent Research**

HIST819A Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST890 **Seminar in American Culture and Ideas**

HIST890 Seminar in American Culture and Ideas; (3 credits) Grade Method: REG/AUD.

0101	James Gilbert W 3:30pm - 6:00pm	Seats (Total: 12) KEY 2120

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2008

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Arthur Reynolds	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 0305

HLSA710 **Healthcare Mangement: Foundations and Principles**

HLSA710 Healthcare Mangement: Foundations and Principles; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Concepts and managerial activities essential to achieve the goals of health care organizations are examined and discussed. Managerial processes include planning, decision-making, etc. required to operate and change health care organizations will be discussed. Special emphasis will be placed on the leader/managers role in developing and maintaining an effective system for providing healthcare.

0101	Peter Levin	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	SPH 0301

HLSA720 **Health Law and Ethics**

HLSA720 Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.

0101	Mary Kivlighan	Seats (Total: 15)
	M 4:00pm - 6:45pm	SPH 0305

HLSA760 **Healthcare Financial Management**

HLSA760 Healthcare Financial Management; (3 credits) Grade Method: REG/AUD.
For HSLA majors only. Offers content in health services financial management with emphasis on applying traditional financial theories to health care and the health care system. Focus on decision-making using accounting and finance theories, principles, concepts and techniqes most important to health care leaders.

0101	Derek Oubre	Seats (Total: 25)
	W 1:00pm - 3:45pm	SPH 0305

HLSA765 **Oral and Written Communication in Healthcare**

HLSA765 Oral and Written Communication in Healthcare; (3 credits) Grade Method: REG/AUD.
Acquaint students with a variety of types of professional writing required of health service professionals, including: grant proposals; journal articles; textbooks; presentation proposals and papers; and theses and dissertations.

0101	Lori Simon-Rusinowitz	Seats (Total: 25)
	F 12:00pm - 2:45pm	SPH 0305

HLSA770 **Continuous Quality Improvement in Healthcare**

HLSA770 Continuous Quality Improvement in Healthcare; (3 credits) Grade Method: REG/AUD.
Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.

0101	Robert Mekelburg	Seats (Total: 20)
	M 7:00pm - 9:45pm	SPH 0301

HLSA780 **Qualitative Methods for Health Services Research**

HLSA780 Qualitative Methods for Health Services Research; (3 credits) Grade Method: REG/AUD.
Qualitative research is a multi-methods approach to the study of social interactions in natural settings. Through triangulation of methods, the researcher attempts to make sense of, or interpret, phenomema in terms of the meanings people bring to them.

0101	Lori Simon-Rusinowitz	Seats (Total: 20)
	Th 1:00pm - 3:45pm	SPH 2367E

HLSA785 **Internship in Public Health**

HLSA785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

HLTH Health Fall 2008

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Fang Yan Class time/details on ELMs *This section will meet online.*	Seats (Total: 40) ONLINE

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.

0101	Sharon Desmond TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1302
0201	Robert Feldman TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 1301
0301	Robert Feldman MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 1303
0401	Raquel Peat TuTh 8:00am - 9:15am	Seats (Total: 30) SPH 1301

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/AUD. Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Maria Ko TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Sylvette La Touche-Howard MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1301

0301	Jamie Lok MWF 11:00am - 11:50am	Seats (Total: 40) SPH 0302
0401	Maria Ko MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 1302

HLTH230 **Introduction to Health Behavior**

HLTH230 *(PermReq)* **Introduction to Health Behavior; (3 credits)** Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. For HLTH majors only. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Nancy Atkinson TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 0302
0201	Robert Feldman MWF 11:00am - 11:50am	Seats (Total: 40) SPH 1302
0301	Nancy Atkinson TuTh 11:00am - 12:15pm	Seats (Total: 40) SPH 1301

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Pamela Manning TuTh 12:30pm - 1:45pm	Seats (Total: 30) SPH 0303
0201	Pamela Manning TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1303

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/AUD.
The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 50) SPH 1302

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan MWF 10:00am - 10:50am	Seats (Total: 50) SPH 1302
0301	Kimberly Heffernan MWF 11:00am - 11:50am	Seats (Total: 50) SPH 1303
SG91	Iris Allen W 10:30am - 1:20pm *Registration is restricted to Shady Grove Biological Science students.*	Seats (Total: 40) SGII 3022

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH388V **Peer Education; Peer Advocates**
Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Lori Marks	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SPH 1302

0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0307

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/AUD.
Prerequisites: HLTH105 or HLTH140. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 25) SPH 1303
0201	Katherine Sharp TuTh 11:00am - 12:15pm	Seats (Total: 25) SPH 0308
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308
0401	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 1302

HLTH437 **Consumer Behavior**

HLTH437 Consumer Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100; and SOCY100. An application of the behavioral sciences to a study of consumer behavior. Current theories, models and empirical research findings are explored.

0101	Bradley Boekeloo TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0308

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations. Recommended for junior and senior women.

0101	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0302
0201	Carolyn Voorhees TuTh 11:00am - 12:15pm	Seats (Total: 40) CHE 2118
0301	Anne Anderson-Sawyer MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1303
0401	Nancy Atkinson TuTh 8:00am - 9:15am	Seats (Total: 40) SPH 1303

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Lori Marks MW 11:00am - 12:15pm	Seats (Total: 30) SPH 1301

0201	Lori Marks MW 12:30pm - 1:45pm	Seats (Total: 30) SPH 1301
0301	Maria Ko MWF 1:00pm - 1:50pm	Seats (Total: 30) SPH 0302

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting.

0101	Anne Anderson-Sawyer W 2:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 50) SPH 1302

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:45pm	Seats (Total: 30) SPH 0107

HLTH498P **Special Topics in Health; Pregnancy Counseling**
Contact department for information to register for this course.

HLTH606 **Foundations of Public Health Education and Policy**

HLTH606 Foundations of Public Health Education and Policy; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 605 and HLTH 688E. Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.

0101	Sharon Desmond Th 7:00pm - 9:45pm	Seats (Total: 25) SPH 0308

HLTH653 **Quantitative Research Methods II in Public Health**

HLTH653 Quantitative Research Methods II in Public Health; (3 credits) Grade Method: REG.
Prerequisite: HLTH 651 or equivalent; and HLTH 652. For HLTH majors only. Credit will be granted for only one of the following: HLTH 653 or HLTH 688T. Formerly HLTH688T. Intermediate and advanced statistics and procedures in health-related research for doctoral students with the focus on applications of these statistical methodological methods to public health research.

0101	Min Wang Tu 7:00pm - 9:45pm	Seats (Total: 15) SPH 0305

HLTH665 **Health Behavior I**

HLTH665 *(PermReq)* **Health Behavior I; (3 credits)** Grade Method: REG/AUD. The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Maria Ko W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688C **Special Problems in Health Education; Tobacco: An Examplar Complex Public Health Problem**

HLTH688C Special Problems in Health Education: Tobacco: An Examplar Complex Public Health Problem; (3 credits) Grade Method: REG/AUD.

0101	Pamela Clark	Seats (Total: 8)	
	M 4:00pm - 6:45pm	SPH 0303	

HLTH688D **Special Problems in Health Education; Research Seminar in Public and Community Health**

HLTH688D Special Problems in Health Education: Research Seminar in Public and Community Health; (1 credit) Grade Method: REG/AUD.

0101	Bradley Boekeloo	Seats (Total: 10)	
	W 4:00pm - 4:50pm	SPH 0303	Discussion

HLTH688G **Special Problems in Health Education; Geographic Information Systems in Public Health**

HLTH688G Special Problems in Health Education: Geographic Information Systems in Public Health; (3 credits) Grade Method: REG/AUD.

DL01	Chiehwen Hsu	Seats (Total: 20)
	Meets September 1, 2008 - November 9, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Graduate Certificate o Professional Studies in Public Health Informatics program. For more information please visit http://www.professionalstudies.umd.edu/public/	

HLTH688V **Special Problems in Health Education; Public Health Information Systems**

HLTH688V Special Problems in Health Education: Public Health Information Systems; (3 credits) Grade Method: REG/AUD.

DL01	Chiehwen Hsu	Seats (Total: 20)
	Meets September 1, 2008 - November 9, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Graduate Certificate o Professional Studies in Public Health Informatics program. For more information please visit http://www.professionalstudies.umd.edu/public/	

HLTH710 **Methods and Techniques of Research**

HLTH710 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
For Health majors only.

0101	Kenneth Beck Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH775 **Health Education Program Planning and Evaluation**

HLTH775 Health Education Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: HLTH 710 and permission of department. A systematic approach to the planning and evaluation of Health Education programs. Diagnosis of the social, psychological, educational and administrative aspects of the health education program. Program monitoring, rigorous methods of impact assessment, and the measurement of efficiency.

0101	Jessica Rath Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH785 **Internship in Public Health**

HLTH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Anne Anderson-Sawyer W 6:00pm - 8:30pm	Seats (Total: 15) SPH 0305

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Fall 2008

HONR100 **Honors Colloquium**

ALL HONR courses are open to students enrolled in University Honors and/or Departmental Honors programs and to others by permission of the Director of University Honors. Detailed descriptions of University Honors seminars can be found at www.honors.umd.edu/seminars.php.

HONR100 Honors Colloquium; (1 credit) Grade Method: REG.

Prerequisite: permission of University Honors Program. Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person. Course restricted to Honors students in their first college semester only.

0101	Cathy Barks M 8:00am - 9:30am	Seats (Total: 12) ANA 0120
0102	Cathy Barks M 9:00am - 10:30am	Seats (Total: 12) QAN 0108
0103	Cathy Barks M 10:00am - 11:30am	Seats (Total: 12) ANA 0100
0104	Cathy Barks M 12:00pm - 1:30pm	Seats (Total: 12) QAN 0108
0105	Cathy Barks M 1:00pm - 2:30pm	Seats (Total: 12) QAN 0103
0106	Cathy Barks M 2:00pm - 3:30pm	Seats (Total: 12) JMZ 1215
0107	Cathy Barks M 3:00pm - 4:30pm	Seats (Total: 12) ANA 0100
0108	Cathy Barks M 3:30pm - 5:00pm	Seats (Total: 12) QAN 0108
0109	Cathy Barks M 4:00pm - 5:30pm	Seats (Total: 12) QAN 0103

0110	Cathy Barks Tu 8:00am - 9:30am	Seats (Total: 12) QAN 0108
0111	Cathy Barks Tu 9:30am - 11:00am	Seats (Total: 12) QAN 0108
0112	Cathy Barks Tu 9:30am - 11:00am	Seats (Total: 12) QAN 0103
0113	Cathy Barks Tu 11:00am - 12:30pm	Seats (Total: 12) JMZ 1211
0114	Cathy Barks Tu 11:00am - 12:30pm	Seats (Total: 12) JMZ 1103
0115	Cathy Barks Tu 12:30pm - 2:00pm	Seats (Total: 12) JMZ 3118
0116	Cathy Barks Tu 2:00pm - 3:30pm	Seats (Total: 12) QAN 0103
0117	Cathy Barks Tu 2:00pm - 3:30pm	Seats (Total: 12) JMZ 1123
0118	Cathy Barks Tu 2:00pm - 3:30pm	Seats (Total: 12) JMZ 0103
0119	Cathy Barks Tu 3:30pm - 5:00pm	Seats (Total: 12) ANA 0120
0120	Cathy Barks Tu 3:00pm - 4:30pm	Seats (Total: 12) PLS 1115
0121	Cathy Barks Tu 4:00pm - 5:30pm	Seats (Total: 12) JMZ 0118
0122	Cathy Barks W 9:00am - 10:30am	Seats (Total: 12) ANA 0100
0123	Cathy Barks W 11:00am - 12:30pm	Seats (Total: 12) QAN 0108

0124	Cathy Barks W 12:30pm - 2:00pm	Seats (Total: 12) ANA 0120
0125	Cathy Barks W 1:00pm - 2:30pm	Seats (Total: 12) EDU 2102
0126	Cathy Barks W 2:00pm - 3:30pm	Seats (Total: 12) COL 3112
0127	Cathy Barks W 2:00pm - 3:30pm	Seats (Total: 12) ASY 3217
0128	Cathy Barks W 3:00pm - 4:30pm	Seats (Total: 12) ANA 0100
0129	Cathy Barks W 3:30pm - 5:00pm	Seats (Total: 12) JMZ 2125
0130	Cathy Barks W 4:00pm - 5:30pm	Seats (Total: 12) QAN 0103
0131	Cathy Barks W 5:00pm - 6:30pm	Seats (Total: 12) JMZ 2125
0132	Cathy Barks Th 9:30am - 11:00am	Seats (Total: 12) ANA 0100
0133	Cathy Barks Th 11:00am - 12:30pm	Seats (Total: 12) ANA 0100
0134	Cathy Barks Th 12:30pm - 2:00pm	Seats (Total: 12) ANA 0120
0135	Cathy Barks Th 2:00pm - 3:30pm	Seats (Total: 12) JMZ 3203
0136	Cathy Barks Th 3:00pm - 4:30pm	Seats (Total: 12) COL 3114
0137	Cathy Barks Th 3:00pm - 4:30pm	Seats (Total: 12) BPS 1234

0138	Cathy Barks Th 4:00pm - 5:30pm	Seats (Total: 12) JMZ 3118
0139	Cathy Barks Th 4:00pm - 5:30pm	Seats (Total: 12) JMZ 3122
0140	Cathy Barks F 10:00am - 11:30am	Seats (Total: 12) ANA 0120
0141	Cathy Barks F 11:00am - 12:30pm	Seats (Total: 12) ANA 0100
0142	Cathy Barks F 12:00pm - 1:30pm	Seats (Total: 12) ANA 0120

HONR208E **Honors Seminar: J.R.R. Tolkien: Author of the Century**

HONR208E Honors Seminar: J.R.R. Tolkien: Author of the Century; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Verlyn Flieger TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 1123

HONR209E **Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions**

HONR209E Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory MW 2:00pm - 3:15pm	Seats (Total: 20) JMP 2202

HONR209O **The Science of Sleep and Biological Rhythms**

HONR209O The Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	David Yager TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1184

HONR209T **Cities and the World: Globalization and Urban Development**

HONR209T Cities and the World: Globalization and Urban Development; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Mila Zlatic Tu 2:00pm - 4:30pm	Seats (Total: 20) LEF 1171

HONR217 **Life, The Multiverse and Everything: Developing an Individual Cosmovision**

HONR217 Life, The Multiverse and Everything: Developing an Individual Cosmovision; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
In this Honors seminar, students pursue personal cosmologies in light of our contemporary core "Western" scientific world-view and a selection of other ancient and indigenous cosmographies for comparison including those of Mesoamerica, the Inca, the Egyptians or the Chinese.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR218C **Honors Seminar: Western Intellectual Heritage: The Hero and Society**

HONR218C Honors Seminar: Western Intellectual Heritage: The Hero and Society; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Peter Losin Th 6:00pm - 8:30pm	Seats (Total: 20) ANA 0120

HONR218L **Honors Seminar: Language and Mind**

HONR218L Honors Seminar: Language and Mind; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Valentine Hacquard TuTh 9:30am - 10:45am	Seats (Total: 20) ANA 0120

HONR218N **Current Issues in Biology**

HONR218N Current Issues in Biology; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	John O'Connor	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	MTH 0102

HONR218P **Understanding India**

HONR218P Understanding India; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Amita Sarin	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 1108

HONR219B **Food for Health: How Food Production Methods Affect our Health and the Environment**

HONR219B Food for Health: How Food Production Methods Affect our Health and the Environment; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Maria Oria	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	QAN 0108

HONR228B **Planning for Cities**

HONR228B Planning for Cities; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Alexander Chen	Seats (Total: 20)
	Th 1:30pm - 4:00pm	ARC 1101

HONR228D **Childhood, Imagination, and Visualization: Exploration in Photography and Creative Expression in Children's Books**

HONR228D Childhood, Imagination, and Visualization: Exploration in Photography and Creative Expression in Children's Books; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Barbara Tyroler, Maria Salvadore Tu 2:00pm - 5:00pm	Seats (Total: 20) SKN 1112

HONR228F **Honors Seminar: Inconvenient Necessity: Conversion of Plant Biomass to Biofuel**

HONR228F Honors Seminar: Inconvenient Necessity: Conversion of Plant Biomass to Biofuel; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Elena Del Campillo TuTh 3:30pm - 4:45pm	Seats (Total: 20) MMH 0108

HONR228J **Honors Seminar: Nanotechnology: Fact, Hyperbole, and Fiction**

HONR228J Honors Seminar: Nanotechnology: Fact, Hyperbole, and Fiction; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Jason Kahn TuTh 2:00pm - 3:15pm	Seats (Total: 20) MTH 1308

HONR228K **Great Ideas in Physics and Their Implications in Other Disciplines**

HONR228K Great Ideas in Physics and Their Implications in Other Disciplines; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Theodore Einstein MW 2:00pm - 3:15pm	Seats (Total: 20) PHY 1304

HONR228M **Honors Seminar: Public Health Politics**

HONR228M Honors Seminar: Public Health Politics; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Samuel Kessel M 2:00pm - 4:40pm	Seats (Total: 20) ASY 3217

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy Th 1:00pm - 3:30pm	Seats (Total: 20) JRN 1104

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ASY 3217
0201	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR238F **Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals**

HONR238F Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	William Stricklin TuTh 3:30pm - 4:45pm	Seats (Total: 20) ANS 0412

HONR238L **Honors Seminar: Engineering in Ancient Empires**

HONR238L Honors Seminar: Engineering in Ancient Empires; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3203

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Edwin Smead M 3:30pm - 6:05pm	Seats (Total: 20) PLS 1184

HONR238T **Honors Seminar: The Body and Literature**

HONR238T Honors Seminar: The Body and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 20) QAN 0108

HONR238Y **Honors Seminar: The Development of the Author in Literary History and Creative Writing**

HONR238Y Honors Seminar: The Development of the Author in Literary History and Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANA 0100

HONR239B **Honors Seminar: New York City and the American Dream**

HONR239B Honors Seminar: New York City and the American Dream; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Ingrid Satelmajer TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 3109

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Anne Warren TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0120

HONR239F **Honors Seminar: Plants and Empires: Historical Consequences and Contemporary Issues**

HONR239F Honors Seminar: Plants and Empires: Historical Consequences and Contemporary Issues; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Todd Cooke	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HJP 1216

HONR239K **Honors Seminar: Media and Political Image in *Campaigns***

HONR239K Honors Seminar: Media and Political Image in *Campaigns*; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Kathleen Kendall	Seats (Total: 20)
	MW 3:30pm - 4:45pm	PLS 1158

HONR239P **Higher, Faster, Farther: Case Studies from Aerospace History**

HONR239P Higher, Faster, Farther: Case Studies from Aerospace History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Jeremy Kinney	Seats (Total: 20)
	W 5:00pm - 7:30pm	QAN 0108

HONR248H **Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

HONR248H Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Peter Leone	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CHE 2116

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:30pm - 3:10pm	Seats (Total: 19) ANA 0120
0201	John Newman Tu 12:30pm - 3:00pm	Seats (Total: 21) ANA 0120

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249P **Honors Seminar: Art, Politics, and Race in South Africa**

HONR249P Honors Seminar: Art, Politics, and Race in South Africa; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Shannen Hill Tu 2:00pm - 4:30pm	Seats (Total: 20) ASY 3217

HONR249Q **Honors Seminar: "God Wills It!": The Crusades in Medieval and Modern Perspectives**

HONR249Q Honors Seminar: "God Wills It!": The Crusades in Medieval and Modern Perspectives; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Janna Bianchini TuTh 12:30pm - 1:45pm	Seats (Total: 20) QAN 0103

HONR249R **Honors Seminar: Music and Gender Identity**

HONR249R Honors Seminar: Music and Gender Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Boden Sandstrom M 3:30pm - 6:05pm	Seats (Total: 20) PAC 3164

HONR249V **Honors Seminar: Lawyers and the Adversary System**

HONR249V Honors Seminar: Lawyers and the Adversary System; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Gary Pavela W 1:00pm - 3:30pm	Seats (Total: 20) MTH 0305

HONR249W **Honors Seminar: The Spiritual Heritage of the Human Race**

HONR249W Honors Seminar: The Spiritual Heritage of the Human Race; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Suheil Bushrui W 1:30pm - 4:00pm	Seats (Total: 20) TLF 2103

HONR249X **Honors Seminar: War and the Warrior in Medieval Literature**

HONR249X Honors Seminar: War and the Warrior in Medieval Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Thomas Moser MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 4116

HONR249Y **Honors Seminar: Amadeus: Mozart 101**

HONR249Y Honors Seminar: Amadeus: Mozart 101; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Suzanne Beicken TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 3164

HONR249Z **Honors Seminar: Troy Matters: Tales Told and Retold**

HONR249Z Honors Seminar: Troy Matters: Tales Told and Retold; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Linda Coleman TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 2123

HONR258C **Honors Seminar: Politics and Law: Some of the Big Questions**

HONR258C Honors Seminar: Politics and Law: Some of the Big Questions; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Matthew King	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	HZF 0101

HONR258O **Honors Seminar; The Kinesiological Bases of of Skilled Perfomance**

HONR258O Honors Seminar: The Kinesiological Bases of of Skilled Perfomance; (3 credits) Grade Method: REG.
There will be a $45 charge for equipment needed for the course.

0101	Seppo Iso-Ahola	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0303

HONR258T **Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Dean Hebert	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ANA 0100

HONR258W **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, and Bisexual Issues; (3 credits) Grade Method: REG. CORE Diversity (D) Course.

0101	Robyn Zeiger	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	QAN 0103

HONR268J **Honors Seminar: Religion and Progress: Islamic Science, Politics, and Economics**

HONR268J Honors Seminar: Religion and Progress: Islamic Science, Politics, and Economics; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Imad Ahmad	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	QAN 0108

HONR268K **Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research**

HONR268K Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Kenneth Frauwirth	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	QAN 0108

HONR268M **Honors Seminar: The University as a Cultural Institution**

HONR268M Honors Seminar: The University as a Cultural Institution; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sheri Parks	Seats (Total: 20)
	MW 2:00pm - 3:15pm	QAN 0108

HONR268Y **Honors Seminar: Japan's Silk Road Music: Treasured, Transformed, and Transcendent**

HONR268Y Honors Seminar: Japan's Silk Road Music: Treasured, Transformed, and Transcendent; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Miyuki Yoshikami	Seats (Total: 20)
	W 6:30pm - 9:00pm	ANA 0100

HONR269D **Honors Seminar: Health Policy: Important Things They Don't Teach You in Medical School**

HONR269D Honors Seminar: Health Policy: Important Things They Don't Teach You in Medical School; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Paul Jung	Seats (Total: 20)
	W 6:30pm - 9:00pm	WDS 1131

HONR278Y **Poems That Matter: How Reading and Writing Them Can Transform Lives**

HONR278Y Poems That Matter: How Reading and Writing Them Can Transform Lives; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Kathleen Staudt W 2:00pm - 4:30pm	Seats (Total: 20) JMZ 1215

HONR279C **Honors Seminar: African American Art Theory: Exploration and Expressions of Identity**

HONR279C Honors Seminar: African American Art Theory: Exploration and Expressions of Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Jeffrey Pinder MW 3:15pm - 4:30pm	Seats (Total: 20) ASY 2322

HONR279N **Honors Seminar: China**

HONR279N Honors Seminar: China; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	John Newman M 3:30pm - 6:05pm	Seats (Total: 20) ANA 0120

HONR279O **Honors Seminar: Counterterrorism**

HONR279O Honors Seminar: Counterterrorism; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	John Newman Tu 9:30am - 12:00pm	Seats (Total: 20) ANA 0100

HONR279P **Honors Seminar; Understanding and Coping with Stress**

HONR279P Honors Seminar: Understanding and Coping with Stress; (3 credits) Grade Method: REG.

0101	David Hyde TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0307

HONR279W **Honors Seminar: The Solar System**

HONR279W Honors Seminar: The Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Richard Walker	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1162

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller	Seats (Total: 20)
	M 2:00pm - 4:35pm	JMZ 2120

HONR289C **Honors Seminar: History of Evolutionary Thought**

HONR289C Honors Seminar: History of Evolutionary Thought; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Michele Dudash	Seats (Total: 20)
	MW 10:00am - 11:15am	BPS 2249

HONR289Y **Novels and Who We Are**

HONR289Y Novels and Who We Are; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0100

HONR298A **Doctrine and Debate in Selected World Religions**

HONR298A Doctrine and Debate in Selected World Religions; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Balaji Hebbar	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1111

HONR299A **Creating Alternative Futures**

HONR299A Creating Alternative Futures; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	John Grayzel W 3:00pm - 5:30pm	Seats (Total: 20) TYD 0139

HONR299N **Through a Glass Darkly: The Child and Literature**

HONR299N Through a Glass Darkly: The Child and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Donald Kleine TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 1117

HONR299X **The Geography of China**

HONR299X The Geography of China; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Naijun Zhou W 3:00pm - 5:30pm	Seats (Total: 20) SYM 0209

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG.

0101	Edwin Smead W 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR348K **Advanced Honors Seminar; Kafka and Film**

HONR348K Advanced Honors Seminar: Kafka and Film; (3 credits) Grade Method: REG.

0101	Peter Beicken M 2:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 20) PLS 1146 JMZ 3120

HONR358A **Honors Practicum**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy M 3:00pm - 5:40pm	Seats (Total: 30) JMZ 0103

HONR378I **Advanced Honors Seminar; Congressional Elections: Campaigning for Congress**

HONR378I Advanced Honors Seminar: Congressional Elections: Campaigning for Congress; (3 credits) Grade Method: REG.

0101	Paul Herrnson Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 1114

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Fall 2008

INAG100 **Introduction to Plant Science**
Contact department for information to register for this course.

INAG102 **Business Operations**

Contact department for information to register for this course.

INAG103 **Agricultural Marketing**

INAG103 Agricultural Marketing; (3 credits) Grade Method: REG/AUD.

Formerly AGECI-7.

0101	Theodore Streett	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JUL 1105

INAG106 **Pesticide Use and Safety**

INAG106 Pesticide Use and Safety; (2 credits) Grade Method: REG/AUD.

Formerly AGROI-11.

0101	Ronald Myers	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INAG107 **Turfgrass Management**

Contact department for information to register for this course.

INAG111 **Written Communication**

Contact department for information to register for this course.

INAG115 **Horse Management Practicum**

Contact department for information to register for this course.

INAG120 **Equine Health Management**

Contact department for information to register for this course.

INAG129 **Special Problems in Agricultural Economics**

Contact department for information to register for this course.

INAG139 **Special Problems in Agricultural Engineering**

Contact department for information to register for this course.

INAG149 **Special Problems in Agronomy**
Contact department for information to register for this course.

INAG159 **Special Problems in Animal Science**
Contact department for information to register for this course.

INAG169 **Special Problems in Communication**
Contact department for information to register for this course.

INAG201 **Personnel Management**
Contact department for information to register for this course.

INAG203 **Introduction to Finance**
Contact department for information to register for this course.

INAG218 **Landscape Construction**

INAG218 Landscape Construction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Roy Walls	Seats (Total: 12)	
	W 2:00pm - 2:50pm	ANS 0504	
	W 3:00pm - 5:50pm	ANS 0504	Lab

INAG226 **Diseases of Ornamentals**
Contact department for information to register for this course.

INAG231 **Insects of Ornamentals/Turfgrass**
Contact department for information to register for this course.

INAG235 **Surveying, Drainage and Irrigation**
Contact department for information to register for this course.

INAG240 **Professional Development**
Contact department for information to register for this course.

INAG299A **Supervised Work Experience; Internship I**
Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**
Contact department for information to register for this course.

INFM Information Management Fall 2008

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Bo Xie W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0103
0201	Bo Xie M 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC 690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Dave Yates M 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Derek Hansen Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Ping Wang Th 6:00pm - 8:45pm	Seats (Total: 30) PLS 1129
0201	Taverekere Srikantaiah Sa 9:30am - 12:15pm Sa 1:00pm - 3:45pm *Section meets Sept 6 & 20; October 4 & 18; November 8 & 22; and Decembe 6.*	Seats (Total: 30) HBK 0109 HBK 0109

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

0101	Raymond Paquette W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

INFM706 **Project Management**

INFM706 Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM 600, INFM 603 and INFM 605; or permission of instructor.
Management of projects through planning and execution of life cycle phases. Includes estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, tracking, control and other aspects of successful project completion.

0101	Bruce Dearstyne **Meets September 2, 2008 - November 10, 2008** Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM711 **Financial Management of Info Projects**

INFM711 Financial Management of Info Projects; (3 credits) Grade Method: REG/AUD.

0101	Peter Liebscher Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM718A **Selected Topics in Information Management; Seminar in Information for Decision-Making**

INFM718A Selected Topics in Information Management: Seminar in Information for Decision-Making; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker W 6:00pm - 8:45pm	Seats (Total: 20) HBK 2119

INFM718K **Selected Topics in Information Management; Knowledge Management**

INFM718K Selected Topics in Information Management: Knowledge Management; (3 credits) Grade Method: REG/AUD.

0101	Raymond Paquette Tu 6:00pm - 8:45pm	Seats (Total: 15) HBK 4115

INFM718P **Selected Topics in Information Management; Information Policy**

INFM718P Selected Topics in Information Management: Information Policy; (3 credits) Grade Method: REG/AUD.

0101	Paul Jaeger Th 5:30pm - 8:15pm	Seats (Total: 8) HBK 0105

INFM718V **Selected Topics in Information Management; Organizational and Business Process Modeling**

INFM718V Selected Topics in Information Management: Organizational and Business Process Modeling; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker M 6:00pm - 8:45pm	Seats (Total: 25) HBK 0103

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (4 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Vedat Diker Contact instructor or department for details.	Seats (Total: 10)
0201	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 5)

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (2 credits) Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 10)
0201	Taverekere Srikantaiah Contact instructor or department for details.	Seats (Total: 7)
0301	Paul Jaeger Contact instructor or department for details.	Seats (Total: 1)
0401	Ping Wang Contact instructor or department for details.	Seats (Total: 1)

INFM741 **Social Computing Technologies and Applications**

INFM741 Social Computing Technologies and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM605 or permission of instructor. Tools and techniques for developing and configuring social computing applications. Theories and paradigms for social computing. Strengths and limitations of different application styles and types. Evolution of applications as responses to social computing challenges. Information and organizational systems co-development.

0101	Dave Yates Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

ITAL Italian Fall 2008

ITAL103 **Intensive Elementary Italian**

ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed more than two years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 0125 KEY 0125
0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 0125 KEY 0121
0301	Maria Fleri MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2120
0401	Maria Fleri MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0105

ITAL121 **Accelerated Italian I**

ITAL121 Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement. Also offered as ITAL 121H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 3120

ITAL121H **Accelerated Italian I**

ITAL121H Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. For general honors students only. Also offered as ITAL 121.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 3120

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent. Not open to students who have completed ITAL122, four years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3203 JMZ 3203	 Discussion
0201	Maria Fleri MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3120 JMZ 1117	

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122, or permission of department. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Joseph Falvo MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0120

ITAL211 **Intermediate Conversation**

ITAL211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL203 or permission of department. Not open to fluent/native speakers of Italian. Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

0101	Stefania Amodeo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1224

ITAL251 **Aspects of Contemporary Italian Literature and Culture**

ITAL251 Aspects of Contemporary Italian Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Prerequisite: ITAL204 or ITAL211 or permission of department. Reading of selected literary texts; discussion and brief essays in Italian.

0101	Joseph Falvo MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103

ITAL361 **The Culture of Italy: Rebuilding a Nation**

ITAL361 The Culture of Italy: Rebuilding a Nation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL301 or permission of instructor. Development of Italian culture from Fascism to the 70's. Literature, cinema, economy, popular culture, and daily life.

0101	Silvia Carlorosi TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 3120

ITAL386 **Experiential Learning**

ITAL386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 Directed Study in Italian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL401 **Advanced Composition and Style**

ITAL401 Advanced Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL301 or equivalent. Advanced writing practice in range of genres.

0101	Stefania Amodeo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0118

ITAL478B **Colloquium in Italian**

ITAL478B Colloquium in Italian; (1 credit) Grade Method: REG/P-F/AUD.
For students registered in ITAL499A only.

0101	Silvia Carlorosi Tu 3:30pm - 4:20pm	Seats (Total: 10) JMZ 4104

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: four courses at 400-level in Italian; permission of department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL498 **Special Topics in Italian Literature**

ITAL498 Special Topics in Italian Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 Special Topics in Italian Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499A **Special Topics in Italian Studies; The Holocaust in Italian Literature and Cinema**

ITAL499A Special Topics in Italian Studies: The Holocaust in Italian Literature and Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English.

0101	Silvia Carlorosi	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	JMZ 0205	

JAPN Japanese Fall 2008

JAPN101 **Elementary Japanese I**

Students with previous knowledge of Japanese who have not yet enrolled in a Japanese language course at UMCP must contact the Japanese program for a placement test prior to the first day of classes.
JAPN101 Elementary Japanese I; (6 credits) Grade Method: REG.
Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana). This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Miki Reed	Seats (Total: 15)	
	MWF 9:00am - 9:50am	JMZ 1120	
	TuTh 9:30am - 10:45am	JMZ 0205	
0201	Makiko Inoue	Seats (Total: 15)	
	MWF 10:00am - 10:50am	JMZ 2123	
	TuTh 9:30am - 10:45am	JMZ 3120	Discussion
0301	Kazuo Yaginuma	Seats (Total: 15)	
	MWF 11:00am - 11:50am	JMZ 1226	
	TuTh 11:00am - 12:15pm	JMZ 0118	
0401	Miki Reed	Seats (Total: 15)	
	MWF 11:00am - 11:50am	JMZ 1122	
	TuTh 11:00am - 12:15pm	JMZ 0205	
0501	Makiko Inoue	Seats (Total: 15)	
	MWF 12:00pm - 12:50pm	JMZ 0118	
	TuTh 12:30pm - 1:45pm	JMZ 0205	Discussion

JAPN201 **Intermediate Japanese I**

JAPN201 Intermediate Japanese I; (6 credits) Grade Method: REG.
Prerequisite: a grade C (2.0) or better in JAPN102 or permission of instructor.
Contemporary spoken and written Japanese.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118
0201	Kazuo Yaginuma MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1211
0301	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 3118

JAPN217 **Japanese Literature in the Age of the Samurai**

JAPN217 Japanese Literature in the Age of the Samurai; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. Introduction to the masterworks of medieval Japanese literature (c. 1200-1850) and to their intellectual and cultural backgrounds, focusing on prose fiction and drama.

0101	Harol Kerkham TuTh 9:30am - 10:45am	Seats (Total: 35) JMZ 2206

JAPN301 **Advanced Japanese I**

JAPN301 Advanced Japanese I; (6 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN202 or permission of instructor.
Advanced conversation, oral comprehension, and selected readings.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 2125
0201	Eiko Miura MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2125

JAPN317 **Buddhism and Japanese Literature in Translation**

JAPN317 Buddhism and Japanese Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Religious and philosophical traditions central to Japanese imaginative life and literature from ancient to modern times. Taught in English.

0101	Harol Kerkham	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMZ 3120

JAPN386 **Experiential Learning**

JAPN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

JAPN401 **Readings in Modern Japanese Literature**

JAPN401 Readings in Modern Japanese I; (3 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN302 or permission of instructor.
Development of translation techniques, vocabulary, grammar, and reading speed. Readings in history, social sciences, modern literature, and modern newspaper and periodical literature.

0101	Michele Mason	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1122

JAPN403 **Business Japanese: Practicum in Communicative Skills**

JAPN403 Business Japanese I; (3 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN302 or permission of instructor.
Conversation, reading, and writing applicable to Japanese business transactions, social meetings, and meetings with government organizations, with background material in English on professional business practices and social customs associated with business.

0101	Makiko Inoue	Seats (Total: 15)
	MW 3:00pm - 4:15pm	JMZ 3205

JAPN418A **The Atomic Bomb in Literature and Memory: Japan and the United States**

JAPN418A The Atomic Bomb in Literature and Memory: Japan and the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. Click here for a complete course description.

0101	Michele Mason	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ARC 1105

JAPN428 **Seminar in Japanese Discourse and Conversation Analysis**

JAPN428 Seminar in Japanese Discourse and Conversation Analysis; (3 credits) Grade Method: REG.
Prerequisite: A grade of C (2.0) or better in JAPN302 or equivalent. Presentation and discussion of classic and current readings in English and Japanese on theories and actual practice of discourse and conversation analysis. Students will learn transcription techniques and have an opportunity to apply them in a final term paper.Open to nonherit age and heritage/native-speaking students of Japanese. Click here for a more complete course description.

0101	Lindsay Yotsukura	Seats (Total: 20)
	Tu 11:00am - 12:15pm	JMZ 0122
	Th 11:00am - 12:15pm	JMZ 0103

JAPN499 **Directed Study in Japanese**

JAPN499 Directed Study in Japanese; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Fall 2008

JOUR100 **Professional Orientation**

JOUR100 Professional Orientation; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed JOUR101. Credit will be granted for only one of the following: JOUR100 or JOUR101. Formerly JOUR101.* Survey of journalism professions, emphasizing appropriate academic and career development strategies. This course is restricted to JOUR students admitted for the Fall. Other students should register for the course in the Spring.

0101	Deborah Nelson M 2:00pm - 2:50pm	Seats (Total: 150) SHM 2102	

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 5) ASY 2203 PLS 1119	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) ASY 2203 EDU 0206	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 5) ASY 2203 SPH 0305	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 5) ASY 2203 PLS 1119	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) ASY 2203 SPH 0305	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) ASY 2203 PLS 1115	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 5) ASY 2203 PLS 1146	Discussion

0801	Susan Moeller	Seats (Total: 5)	
	Tu 2:00pm - 3:15pm	ASY 2203	
	F 12:30pm - 1:45pm	PLS 1115	Discussion

JOUR175U **Media Literacy**
Contact department for information to register for this course.

JOUR181 **Grammar for Journalists**

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with emphasis with an emphasis on its application in journalism. Pre or Corequisite: Jour 100 or permission of department.

0101	Linda Coleman	Seats (Total: 130)
	W 2:00pm - 2:50pm	SHM 2102

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.

0101	Penny Fuchs	Seats (Total: 20)
	Contact instructor or department for details.	

JOUR200 **Journalism History, Roles and Structures**

JOUR200 Journalism History, Roles and Structures; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. For JOUR majors only. Introduction to the study of journalism from the standpoint of media history and sociology. Also intended for students planning on pursuing a Journalism Major. Non-journalism majors should contact Marchelle Payne at (301) 405-2399 for permission to register.

0101	Carl Stepp	Seats (Total: 34)
	TuTh 11:00am - 12:15pm	JRN 1105

0201	John Kirch MW 4:15pm - 5:30pm	Seats (Total: 34) LEF 1201
0301	Alice Bonner TuTh 11:00am - 12:15pm	Seats (Total: 34) HBK 0115

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR100. Grammar competency demonstrated by a grade of C (2.0) or better in JOUR181 or a score of 52 or higher on the TSWE and permission of department. Sophomore standing. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. For students intending to be journalism majors.

0101	Jeff Lemberg TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3111
0201	Myron Beckenstein TuTh 2:00pm - 3:50pm	Seats (Total: 18) JRN 3111
0301	January Payne TuTh 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111
0401	Denise Cabrera TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3103
0501	Ylan McClintock MW 8:00am - 9:50am	Seats (Total: 18) JRN 3111
0601	Karen Denny MW 7:00pm - 8:50pm	Seats (Total: 18) JRN 3102
0701	Denise Cabrera TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3111

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Copy editing, graphic principles and processes, new media technology.

0101	Carla Correa MW 10:00am - 11:50am	Seats (Total: 18) JRN 3111	
0201	Jay Goldman TuTh 7:00pm - 8:50pm	Seats (Total: 18) JRN 3102	
0301	Diana Huffman TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3103	

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed JOUR340. Credit will be granted for only one of the following: JOUR240 or JOUR340. Formerly JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects.

0101	Eric Zanot TuTh 9:30am - 10:45am	Seats (Total: 25) JRN 1105	

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in JOUR201 and permission of department. Credit will be granted for only one of the following: JOUR202B or JOUR262. Principles and processes of broadcast newsroom editing. Also offered as JOUR503.

0101	David Burns MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab
0201	Albert Calogero TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0120
0201	Ann Lolordo Th 7:15pm - 10:00pm	Seats (Total: 20) JRN 1104
0301	Alice Bonner TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2125
0401	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 15) JRN 1116

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0101	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) JRN 3103
0201	Thomas Frank TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3111
0301	Allan Lengel MW 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111
0401	Carol Richards TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3102

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR326 prior to January 1, 1992. Formerly JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	Rem Rieder, Reese Cleghorn TuTh 2:00pm - 3:15pm	Seats (Total: 18) JRN 1116

JOUR325 **Print News Bureau**

JOUR325 *(PermReq)* **Print News Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Section 0101 meets in the National Press Building, Washington, DC. Section 0201 meets in the CNS Bureau, Annapolis, MD. Also offered as JOUR 625.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Also offered as JOUR627. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 9) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320. Contact department to obtain permission.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 15) JRN 1105

JOUR328G **Special Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR328G *(PermReq)* **Special Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/P-F/AUD. A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications. Course shared with JOUR628G. Prerequisite: JOUR320.

0101	Stanton Paddock, Timothy Jacobsen, Christina Hughey F 12:00pm - 2:45pm	Seats (Total: 12) JRN 3103

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320.

0101	Jeff Lemberg TuTh 4:00pm - 5:15pm	Seats (Total: 18) JRN 3103

JOUR328R **Special Topics in News Writing and Reporting; Business Reporting**

JOUR328R *(PermReq)* **Special Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of department. Understand the language of commerce, identify business stories and explain it to today's media consumers.

0101	Robert Matthews M 7:00pm - 9:45pm	Seats (Total: 15) JRN 1116

JOUR350 **Graphics**

JOUR350 *(PermReq)* **Graphics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: A grade of 'C' (2.0) or better in JOUR202 or 262. Credit will be granted for only one of the following: JOUR350 or JOUR373.* An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3103
0201	Christopher Rukan TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3102
0301	John Vockley MW 12:00pm - 1:50pm	Seats (Total: 18) JRN 3102

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR202 or JOUR262. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Christine Harvey W 1:00pm - 3:45pm	Seats (Total: 17) JRN 3103
0201	Alexandra Newman MW 7:00pm - 8:15pm	Seats (Total: 18) JRN 3103
0301	Leslie Walker M 1:00pm - 3:45pm	Seats (Total: 12) JRN 3103
0401	Jason Thompson M 7:00pm - 9:45pm	Seats (Total: 12) JRN 3117

JOUR353 **Advanced Online Reporting**

JOUR353 *(PermReq)* **Advanced Online Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students report and write for an online magazine.

0101	Christine Harvey F 9:00am - 5:00pm	Seats (Total: 5) JRN 3117	

JOUR355 **Online News Bureau**

JOUR355 *(PermReq)* **Online News Bureau; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers for an online newsmagazine, building interactive content and special reports.

0101	Christine Harvey TuTh 9:00am - 1:00pm	Seats (Total: 10) Location: TBA	

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories. Additional hours per week required at WMUC, so plan your schedule accordingly.

0101	Cassandra Clayton W 12:00pm - 12:50pm M 10:00am - 11:50am	Seats (Total: 18) JRN 3103 JRN 3103	 Lab
0102	Cindy Wright W 9:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 18) KEY 0124 JRN 3103	 Lab

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Due to rigorous fieldwork requirement, plan your schedule accordingly. JOUR 262 is strongly recommended.

0101	Ronald Yaros M 12:00pm - 3:00pm	Seats (Total: 12) TWS 0117	
0102	Ronald Yaros M 3:00pm - 6:00pm	Seats (Total: 12) TWS 0117	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Credit will be granted for only one of the following: JOUR362 or JOUR368B. Formerly JOUR368B. Producing TV news.

0102	David Silverstein M 7:30pm - 9:30pm Tu 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0103	David Silverstein M 7:30pm - 9:30pm W 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0104	David Silverstein M 7:30pm - 9:30pm Th 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0105	David Silverstein M 7:30pm - 9:30pm F 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR667.

0101	David Burns, Cassandra Clayton	Seats (Total: 8)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360, or permission of department.

0101	Susan Katcef	Seats (Total: 12)
	MW 10:00am - 11:50am	TLF 1103
	Contact instructor or department for details.	

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360. Also open to students who have completed JOUR320.The basics of photography and telling stories through images. Anexamination of composition, lighting, camera technique and the ethicaland legal issues facing photographers. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	John Davidson	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	JRN 3102

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 and permission of department.

0101	Susan Katcef TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 12) JRN 1104

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles. Majors only.

0301	Blake Morrison TuTh 8:00am - 9:15am	Seats (Total: 18) JRN 1104

JOUR372 **Writing the Complex Story**

JOUR372 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR371. Credit will be granted for only one of the following: JOUR372 or JOUR481. Formerly JOUR481. Explanatory journalism technique applied to complex subjects (such as science, economics and large scale social change) for books, magazines and newspaper series.

0101	Eugene Roberts Tu 10:00am - 12:45pm	Seats (Total: 8) JOUR 2114

JOUR380 **Science Writing for News Media**

JOUR380 *(PermReq)* **Science Writing for News Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of department. Writing of scientific and technical material for the general audience. Meeting space shared with JOUR680.

0101	Carol Rogers Tu 6:00pm - 8:45pm	Seats (Total: 10) JRN 1116

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Students work as reporters and writers covering developments in the media landscape for professional publication.

0101	Rem Rieder	Seats (Total: 5)
	Tu 10:00am - 12:45pm	JRN 2116
	Contact instructor or department for details.	

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship; (1 credit)** Grade Method: REG. Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in JRN 1117, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Penny Fuchs	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required. Restricted to students having earned at least 53 credits. JOUR 400 is also offered during the summer. For more information consult the summer Schedule of Classes.

0101	Deborah Nelson	Seats (Total: 50)
	MW 4:00pm - 5:15pm	TYD 2109
	Undergraduate students must register for section 0101.	

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD. *Junior standing.* Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot	Seats (Total: 15)
	W 1:00pm - 4:00pm	JRN 1104

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JRN 1116

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans. Also offered as AASP 499N.

0101	Alice Bonner	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JRN 1105

JOUR458G **Special Topics in Journalism; Sports Journalism and Social Change**

JOUR458G Special Topics in Journalism: Sports Journalism and Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kevin Blackistone	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JRN 1116

JOUR459A **Special Topics in Journalism; Press' Role in the Civil Rights**

JOUR459A Special Topics in Journalism: Press' Role in the Civil Rights; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eugene Roberts	Seats (Total: 30)
	M 4:30pm - 7:05pm	JRN 1105

JOUR459C **Special Topics in Journalism; Special Problems in Communication: Carnegie Seminar**

JOUR459C *(PermReq)* **Special Topics in Journalism: Special Problems in Communication: Carnegie Seminar; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Deborah Nelson	Seats (Total: 4)
	W 6:00pm - 8:45pm	JRN 1105

JOUR459I **Special Topics in Journalism; Investigative Reporting**

JOUR459I *(PermReq)* **Special Topics in Journalism: Investigative Reporting; (1 credit)** Grade Method: REG/P-F/AUD.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Scott Higham	Seats (Total: 15)
	Meets October 23, 2008 - December 12, 2008	
	F 9:00am - 10:50am	Location: TBA

JOUR459M **Special Topics in Journalism; Multicultural Reporting**

JOUR459M *(PermReq)* **Special Topics in Journalism: Multicultural Reporting; (1 credit)** Grade Method: REG/P-F/AUD.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Robbie Morganfield **Meets September 1, 2008 - October 17, 2008** F 9:00am - 10:50am	Seats (Total: 15) JRN 3111

JOUR459X **Special Topics in Journalism; Washington Post Seminar**

JOUR459X *(PermReq)* **Special Topics in Journalism: Washington Post Seminar; (1 credit)** Grade Method: REG.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Stephen Crane F 12:30pm - 2:00pm	Seats (Total: 18) Location: TBA

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 3) JRN 1116

JOUR471 **Public Opinion Research**

JOUR471 Public Opinion Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a University statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 10:00am - 11:15am	Seats (Total: 15) JRN 3102
0201	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 15) JRN 3102

JOUR472 **Computer-Assisted Reporting**

JOUR472 *(PermReq)* **Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR328. Credit will be granted for only one of the following: JOUR328 or JOUR472. Formerly JOUR328. Computer and online data acquisition; analytical methods for writing and reporting news. Contact the instructor to obtain permission.

0101	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 1) JRN 3102	
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 10) JRN 3102	

JOUR501 **Fundamentals of Writing and Editing**

JOUR501 *(PermReq)* **Fundamentals of Writing and Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Sandra Banisky MW 2:00pm - 3:50pm	Seats (Total: 18) JRN 3111	
0201	Stephen Crane MW 4:00pm - 5:50pm	Seats (Total: 15) JRN 3102	

JOUR503 **Reporting for Broadcast News**

JOUR503 Reporting for Broadcast News; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 501. Also offered as JOUR 262. Training in gathering and producing news for radio and television newcasts.

0101	David Burns MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab
0201	Albert Calogero TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab

JOUR531 **Humphrey Seminar I**

JOUR531 *(PermReq)* **Humphrey Seminar I; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to journalism issues; American culture and government; and leadership training.

0101	Lucinda Fleeson F 10:00am - 1:00pm	Seats (Total: 12) PKT 1210

JOUR600 **Journalism Ethics**

JOUR600 Journalism Ethics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of ethical problems in journalism and the media industry.

0101	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 16) JRN 1116

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 Theories of Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner Tu 4:15pm - 7:00pm	Seats (Total: 16) JRN 1104

JOUR610 **Seminar in Mass Media History**

JOUR610 Seminar in Mass Media History; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR610 or JOUR710. Formerly JOUR710. Analysis and discussion of the interrelationships between the mass media and society, including various social and cultural elements of modern society; responsibilities of the mass media and the mass communicator.

0101	Ray Hiebert W 2:00pm - 5:00pm	Seats (Total: 10) JRN 1102

JOUR620 **Seminar in Public Affairs Reporting**

JOUR620 *(PermReq)* **Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent.

0101	Carl Stepp W 1:00pm - 3:45pm	Seats (Total: 18) JRN 2114

JOUR624 **Commentary and Editorial Writing**

JOUR624 Commentary and Editorial Writing; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 624 or JOUR 628N. Formerly JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	Reese Cleghorn, Rem Rieder TuTh 2:00pm - 3:15pm	Seats (Total: 1) JRN 1116

JOUR625 **Print News Bureau**

JOUR625 Print News Bureau; (6 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 620 and permission of department. Credit will be granted for only one of the following: JOUR 625 or JOUR 729. Formerly JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR 325.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Advanced Urban Affairs Reporting**

JOUR627 *(PermReq)* **Advanced Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Also offered as JOUR327.
Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 3) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 1) JRN 1105

JOUR628G **Specialized Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR628G *(PermReq)* **Specialized Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/AUD.

0101	Timothy Jacobsen, Christina Hughey, Stanton Paddock F 12:00pm - 2:45pm	Seats (Total: 4) JRN 3103

JOUR628R **Specialized Topics in News Writing and Reporting; Business Reporting**

JOUR628R Specialized Topics in News Writing and Reporting: Business Reporting; (3 credits) Grade Method: REG/AUD.

0101	Robert Matthews M 7:00pm - 9:45pm	Seats (Total: 2) JRN 1116

JOUR640 **Seminar in Advertising Communication**

JOUR640 Seminar in Advertising Communication; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 640 and JOUR 740. Formerly JOUR740. Role of advertising as a form of public communication in American society. Advertising and the firm; advertising and the economy; advertising and the individual; advertising and consumerism; advertising and the media.

0101	Eric Zanot	Seats (Total: 0)	
	W 1:00pm - 4:00pm	JRN 1104	

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0101	Leslie Walker	Seats (Total: 5)	
	M 1:00pm - 3:45pm	JRN 3103	

JOUR655 **Online News Bureau**

JOUR655 *(PermReq)* **Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 652 (or equivalent) and permission of department. Advanced online journalism training. Students work as online reporters, editors and producers for an online news magazine. Students also package copy from the print and broadcast news bureaus. Prerequisites: JOUR 620 and 652 or equivalent.

0101	Christine Harvey	Seats (Total: 4)	
	TBA	JRN 3117	Lab

JOUR660 **Seminar in Broadcast News**

JOUR660 Seminar in Broadcast News; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 660 or JOUR 760. Formerly JOUR760. Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0101	Lawrence Herbster W 12:00pm - 2:45pm	Seats (Total: 10) JRN 1116

JOUR661 **Television Reporting and Production**

JOUR661 Television Reporting and Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 503 or equivalent. For JOUR majors only. Reporting, writing, editing and production of broadcast news.

0101	Ronald Yaros M 12:00pm - 3:00pm	Seats (Total: 2) TWS 0117
	Course sections must be separated to resemble JOUR361. Section 0101 of OU361 meets in the same space. A different instructor will be delivering the course.	
0102	Ronald Yaros M 3:00pm - 6:00pm	Seats (Total: 2) TWS 0117
	Course sections must be separated to resemble JOUR361. Section 0101 of JOUR361 meets in the same space. A different instructor will be deliveri ng the course.	

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program. Also offered as JOUR367.

0101	David Burns, Cassandra Clayton Contact instructor or department for details.	Seats (Total: 8)

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast News Producing**

JOUR668B Topics in Broadcasting and Electronic Media: Broadcast News Producing; (3 credits) Grade Method: REG/AUD.

0102	David Silverstein M 7:30pm - 9:30pm Tu 1:00pm - 6:00pm	Seats (Total: 1) JRN 1104 TWS 0117	 Lab

0103	David Silverstein M 7:30pm - 9:30pm W 1:00pm - 6:00pm	Seats (Total: 1) JRN 1104 TWS 0117	 Lab
0104	David Silverstein M 7:30pm - 9:30pm Th 1:00pm - 6:00pm	Seats (Total: 1) JRN 1104 TWS 0117	 Lab
0105	David Silverstein M 7:30pm - 9:30pm F 1:00pm - 6:00pm	Seats (Total: 1) JRN 1104 TWS 0117	 Lab

JOUR672 **Writing the Complex Story**

JOUR672 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent, and permission of department. Credit will be granted for only one of the following: JOUR 662 or JOUR 672. Formerly JOUR622. Advanced writing, focusing on the strategies and techniques of modern explanatory journalism.

0101	Eugene Roberts Tu 10:00am - 12:45pm	Seats (Total: 12) JOUR 2114

JOUR677 **Literary Journalism**

JOUR677 Literary Journalism; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR620 or permission of department. Not open to students who have completed JOUR377 or JOUR487. Credit will be granted for only one of the following: JOUR377, JOUR487 or JOUR677. Practice in the use of literary techniques and especially of dramatic structure in modern newspaper series, magazine pieces and books. Analysis, researching and writing of nonfiction stories, usually with a focus on a specialized area chosen by the student.

0101	Jon Franklin M 1:00pm - 3:45pm	Seats (Total: 8) JRN 1102

JOUR680 **Science Communication**

JOUR680 Science Communication; (3 credits) Grade Method: REG/AUD. Advanced professional training in science reporting and writing for the mass media and in technical communication to specialized audiences. Communication behaviors of scientists and audiences. Application of communication theory and the history and philosophy of science to science writing. Meeting space shared with JOUR380.

0101	Carol Rogers	Seats (Total: 5)
	Tu 6:00pm - 8:45pm	JRN 1116

JOUR681 **Advanced Media Industry Reporting**

JOUR681 *(PermReq)* **Advanced Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Students work as reporters and writers covering developments in the media landscape for professional publication.

0101	Rem Rieder	Seats (Total: 2)
	Tu 10:00am - 12:45pm	JRN 2116
	Contact instructor or department for details.	

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698C **Special Problems in Communication; Carnegie Seminar**

JOUR698C *(PermReq)* **Special Problems in Communication: Carnegie Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 10)
	W 6:00pm - 8:45pm	JRN 1105

JOUR700 **Seminar in Media Law**

JOUR700 *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Admission to journalism graduate program or permission of department. Credit will be granted for only one of the following: JOUR400,JOUR700 or JOUR755. Formerly JOUR755. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

0101	Diana Huffman	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	JRN 1105

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson	Seats (Total: 15)
	M 9:00am - 11:50am	JRN 1116

JOUR770 **Principles of Research Methods in Journalism**

JOUR770 Principles of Research Methods in Journalism; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 600 or JOUR 770. Formerly JOUR600. Introduction to the methods of empirical research; the scientific method, elements of experimental design and survey techniques, content analysis, readership and readability studies, audience measurement and analysis of quantitative data

0101	Kalyani Chadha	Seats (Total: 10)
	Th 9:00am - 11:45am	JRN 1102

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

0101	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 12) JRN 3102
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 2) JRN 3102

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

JOUR800 *(PermReq)* **Introduction to Doctoral Study in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 700 or JOUR 800. Formerly JOUR700. Basic skills in journalism and public communication research.

0101	Linda Steiner W 11:00am - 1:45pm	Seats (Total: 10) JRN 1102

JOUR808A **Doctoral Colloquium; Cognate Development**

JOUR808A Doctoral Colloquium: Cognate Development; (1 credit) Grade Method: REG/AUD.

0101	John Newhagen M 1:00pm - 3:00pm	Seats (Total: 5) KEY 0107

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Fall 2008

JWST219A **Special Topics in Jewish Studies: The World of the Dead Sea Scrolls**

JWST219A Special Topics in Jewish Studies: The World of the Dead Sea Scrolls; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

0101	Maxine Grossman TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2102

JWST219Q **Special Topics in Jewish Studies; History of Ancient Egypt**

JWST219Q Special Topics in Jewish Studies: History of Ancient Egypt; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST219E.

0101	Mark Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 60) TYD 2109	

JWST234 **History of the Jewish People I**

JWST234 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST282. Credit will be granted for only one of the following: JWST234 or HIST282. Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0208	Discussion
0102	Hayim Lapin MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 BPS 1234	Discussion
0103	Hayim Lapin MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0104	Hayim Lapin MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0121	Discussion
0105	Hayim Lapin MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion

0106	Hayim Lapin MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0107	Hayim Lapin MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Hayim Lapin MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ARM 0105	Discussion

JWST234H **History of the Jewish People I**

JWST234H History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST282. Credit will be granted for only one of the following: JWST234 or HIST282.*

0101	Hayim Lapin MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion

JWST250 **Fundamental Concepts of Judaism**

JWST250 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as PHIL234. Not open to students who have completed PHIL234. Credit will be granted for only one of the following: JWST250 or PHIL234. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3215	

JWST270 **Fantasy and Supernatural in Jewish Literature**

JWST270 Fantasy and Supernatural in Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HONR219O, JWST219O, or JWST270. Formerly JWST219O.* An examination of Jewish fantastical and supernatural literature from ancient to modern times, tracing how such stories have addressed essential questions of good and evil, power and powerlessness within a Jewish framework. Topics include intersections of Jewish and non-Jewish cultures.

0101	Miriam Isaacs	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TYD 2110

JWST272 **Introduction to Jewish Literature**

JWST272 Introduction to Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to students who have completed HEBR231. Formerly HEBR231. A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Sheila Jelen	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1119

JWST281 **Yiddish I**

JWST281 Yiddish I; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GERM148Y. Not open to students who have completed GERM148Y. Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure.

0101	Miriam Isaacs	Seats (Total: 18)
	TuTh 9:30am - 10:45am	JMZ 3118

JWST342 **History of Zionism and the State of Israel**

JWST342 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST376. Credit will be granted for only one of the following: JWST342 or HIST376. Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Haam, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society.

0101	Nina Spiegel	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

JWST344 **Modern Jewish History II: World Jewry Since 1870**

JWST344 Modern Jewish History II: World Jewry Since 1870; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST375. Credit will be granted for only one of the following: JWST344 or HIST375. Continuation of JWST343: Social, political, economic, and cultural change in the Jewish world since 1870. Emphasis on emancipation, assimilation, and new forms of Jewish identity in Western and Eastern European Jewry from the 19th Century to the present.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

JWST409E **Research Seminar in Jewish Studies; Jewish Enlightenment in its National Contexts**

JWST409E Research Seminar in Jewish Studies: Jewish Enlightenment in its National Contexts; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rachel Manekin	Seats (Total: 15)
	M 2:00pm - 4:00pm	JMZ 1224
	Contact instructor or department for details.	

JWST409F **Research Seminar in Jewish Studies; Performing Israeli Identity**

JWST409F Research Seminar in Jewish Studies: Performing Israeli Identity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Nina Spiegel W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 15) WDS 1127

JWST419G **Special Topics in Jewish Studies; Religious Movements in European Jewish History**

JWST419G Special Topics in Jewish Studies: Religious Movements in European Jewish History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429F.

0101	Rachel Manekin MW 11:00am - 12:15pm	Seats (Total: 40) ARM 0112

JWST419I **Special Topics in Jewish Studies; Representing the Holocaust**

JWST419I Special Topics in Jewish Studies: Representing the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379J.

0101	Sheila Jelen TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1105

JWST419O **Special Topics in Jewish Studies; Is Judaism a Religion?**

JWST419O Special Topics in Jewish Studies: Is Judaism a Religion?; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maxine Grossman TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0117

JWST419R **Special Topics in Jewish Studies; The Holocaust in Italian Literature and Cinema**

JWST419R Special Topics in Jewish Studies: The Holocaust in Italian Literature and Cinema; (3 credits) Grade Method: REG/P-F/AUD.

0101	Silvia Carlorosi TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0205

JWST459A **Readings in Medieval Hebrew**

JWST459A Readings in Medieval Hebrew; (3-4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Repeatable to 9 credits if content differs. Not open to students who have completed JWST466. Credit will be granted for only one of the following: JWST459_ or JWST466. Formerly JWST466.

0101	Charles Manekin	Seats (Total: 15)
	M 4:00pm - 6:35pm	PLS 1176

JWST468A **Readings in the Hebrew Bible; War in Bible and Ancient Near East**

JWST468A Readings in the Hebrew Bible: War in Bible and Ancient Near East; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Formerly HEBR441 and HEBR442. Repeatable to 9 credits if content differs.

0101	Adele Berlin	Seats (Total: 15)
	Tu 2:00pm - 4:00pm	ARM 0102
	Contact instructor or department for details.	

JWST499 **Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST600 **General Seminar in Jewish Studies**

JWST600 General Seminar in Jewish Studies; (3 credits) Grade Method: REG.
Introduce graduate students to the fields, problems, and basic methods of research in the comtemporary practice of Jewish Studies. Consideration of chronological and historiographical problems, questions of the development of Jewish thought and literature and Jewish religious and cultural history in four rough chronological periods: Biblical Israel, Judaism in Antiquity, Judaism in the Middle Ages and Early Modern Period, and Modern Judaism.

0101	Hayim Lapin	Seats (Total: 15)
	W 3:30pm - 6:00pm	HZF 0142

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST648N **Readings in Jewish History; Jews and Cities: The impact of Urbanization and Immigration in Modern History**

JWST648N Readings in Jewish History: Jews and Cities: The impact of Urbanization and Immigration in Modern History; (3 credits) Grade Method: REG. Also offered as HIST798A.

0101	Marsha Rozenblit	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	KEY 0107

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 *(PermReq)* **Independent Graduate Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES Kinesiology Fall 2008

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Robin Burns **Meets September 2, 2008 - October 17, 2008** TuTh 8:00am - 10:00am *Meets first 7 weeks.*	Seats (Total: 36) ERC 0135	Lab
0002	Peter Baggetta **Meets October 20, 2008 - December 12, 2008** TuTh 8:00am - 10:00am *Meets second 7 weeks.*	Seats (Total: 0) ERC 0135	Lab

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Caitlin Brauer MW 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	Lab
0002	Ronald Mower TuTh 2:00pm - 4:00pm	Seats (Total: 36) ERC 0135	Lab
0003	Caitlin Brauer MW 10:00am - 12:00pm	Seats (Total: 36) ERC 0135	Lab
0004	Caitlin Brauer TuTh 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.

0001	Jaime DeLuca TuTh 2:00pm - 4:00pm	Seats (Total: 40) COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (BEGINNING)**

KNES131V Physical Education Activities: Coed: Jogging (BEGINNING); (2 credits) Grade Method: REG/P-F.
For a 2-credit combination activity and lecture option, see KNES289W. Attendance is required of all students beginning the first day of class.

0001	Mallory Marshall MW 2:00pm - 4:00pm	Seats (Total: 60) COL 1100D	 Lab
0002	Wendy Bibeau TuTh 12:00pm - 2:00pm	Seats (Total: 60) COL 1100D	 Lab

KNES131Z **Physical Education Activities: Coed; Softball**

KNES131Z Physical Education Activities: Coed: Softball; (1 credit) Grade Method: REG/P-F.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the Terp Fields. Schedule adjustment is the first week of class only.

0001	Callie Maddox **Meets September 2, 2008 - October 17, 2008** TuTh 10:00am - 12:00pm	Seats (Total: 24) TERP FIELD	 Lab
0002	Callie Maddox **Meets September 2, 2008 - October 17, 2008** TuTh 2:00pm - 4:00pm	Seats (Total: 24) TERP FIELD	 Lab
0003	David Logan **Meets September 2, 2008 - October 17, 2008** MW 10:00am - 12:00pm	Seats (Total: 24) TERP FIELD	 Lab
0004	Robin Burns **Meets September 2, 2008 - October 17, 2008** MW 2:00pm - 4:00pm	Seats (Total: 24) TERP FIELD	 Lab

KNES132N **Physical Education Activities: Coed; Badminton (Beginning)**

KNES132N Physical Education Activities: Coed: Badminton (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Attendance is required of all students on the first day of class.

0001	Dae Kwak **Meets October 20, 2008 - December 12, 2008** MW 4:00pm - 6:00pm	Seats (Total: 0) SPH 2101	Lab
0002	Jeffrey Hsu **Meets October 20, 2008 - December 12, 2008** TuTh 4:00pm - 6:00pm	Seats (Total: 0) SPH 2101	Lab

KNES134N **Physical Education Activities: Coed; Bowling (Beginning)**

KNES134N Physical Education Activities: Coed: Bowling (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $30 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Robin Burns **Meets September 2, 2008 - October 17, 2008** MW 10:00am - 12:00pm	Seats (Total: 40) SSU B106	Lab
0002	Robert Creath **Meets September 2, 2008 - October 17, 2008** TuTh 10:00am - 12:00pm	Seats (Total: 40) SSU B106	Lab
0003	Michelle Costanzo **Meets October 20, 2008 - December 12, 2008** MW 8:00am - 10:00am	Seats (Total: 0) SSU B106	Lab

0004	Li-Chuan Lo **Meets October 20, 2008 - December 12, 2008** TuTh 10:00am - 12:00pm	Seats (Total: 0) SSU B106	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $30 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Robin Burns **Meets September 2, 2008 - October 17, 2008** MW 8:00am - 10:00am	Seats (Total: 40) SSU B106	Lab
0002	Michelle Costanzo **Meets October 20, 2008 - December 12, 2008** MW 10:00am - 12:00pm	Seats (Total: 0) SSU B106	Lab
0003	Andre Adams **Meets September 2, 2008 - October 17, 2008** TuTh 8:00am - 10:00am	Seats (Total: 40) SSU B106	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

KNES137N Physical Education Activities: Coed: Golf (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 facility fee directly to the golf course.

0001	Jeff Maynor **Meets September 2, 2008 - October 17, 2008** MW 10:00am - 12:00pm	Seats (Total: 25) GLF 1102	Lab

KNES137O **Physical Education Activities: Coed; Golf (Intermediate)**

KNES137O Physical Education Activities: Coed: Golf (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40.00 facility fee directly to golf course.

0001	Jeff Maynor	Seats (Total: 25)	
	Meets September 2, 2008 - October 17, 2008		
	MW 12:00pm - 2:00pm	GLF 1102	Lab

KNES140A **Physical Education Activities: Coed; General Gymnastics (Beginning)**

KNES140A Physical Education Activities: Coed: General Gymnastics (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required the first day of class. Meets the second seven weeks only.

0001	Scott Welsh	Seats (Total: 0)
	Meets October 20, 2008 - December 12, 2008	
	MW 10:00am - 12:00pm	SPH 1120

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only.

0001	Scott Welsh	Seats (Total: 24)
	Meets September 2, 2008 - October 17, 2008	
	MW 10:00am - 12:00pm	SPH 1120

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz MW 10:00am - 12:00pm	Seats (Total: 32) SPH 0107	Lab
0002	Kenneth Klotz MW 12:00pm - 2:00pm	Seats (Total: 32) SPH 0107	Lab

KNES146N **Physical Education Activities: Coed; Racquetball (Beginning)**

KNES146N Physical Education Activities: Coed: Racquetball (Beginning); (1 credit) Grade Method: REG/P-F.
Students must provide protective eye wear. Attendance is required of all students on the first day of class.

0001	Samuel Bernstein TuTh 12:30pm - 1:45pm	Seats (Total: 26) SPH 0222	Lab
0002	Samuel Bernstein TuTh 2:00pm - 3:15pm	Seats (Total: 26) SPH 0222	Lab

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes.

0001	Katharine Amenabar **Meets September 2, 2008 - October 17, 2008** MW 12:00pm - 2:00pm	Seats (Total: 24) TERP FIELD	

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendence is required beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Katharine Amenabar	Seats (Total: 0)	
	Meets October 20, 2008 - December 12, 2008		
	MW 12:00pm - 2:00pm	TERP FIELD	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Beginning Swimming is strictly for Non- swimmers. Attendence is required on the first day of class.

0001	Diana Freedman	Seats (Total: 22)	
	MW 12:00pm - 1:15pm	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Natalie Ferdinand	Seats (Total: 22)	
	TuTh 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class.

0001	Diana Freedman	Seats (Total: 22)	
	MW 10:00am - 12:00pm	ERC B0120	Lab

KNES155N **Physical Education Activities: Coed; Tennis (Beginning)**

KNES155N Physical Education Activities: Coed: Tennis (Beginning); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Attendance is required of all students on the first day of class.

0001	Dae Kwak	Seats (Total: 32)	
	Meets September 2, 2008 - October 17, 2008		
	MW 10:00am - 12:00pm	COL 1100D	Lab
0002	Dae Kwak	Seats (Total: 32)	
	Meets September 2, 2008 - October 17, 2008		
	MW 12:00pm - 2:00pm	COL 1100D	Lab
0003	Ashley Gollmann	Seats (Total: 32)	
	Meets September 2, 2008 - October 17, 2008		
	TuTh 10:00am - 12:00pm	COL 1100D	Lab

KNES155O **Physical Education Activities: Coed; Tennis (Intermediate)**

KNES155O Physical Education Activities: Coed: Tennis (Intermediate); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class.

0001	Scott Welsh **Meets September 2, 2008 - October 17, 2008** TuTh 8:00am - 10:00am	Seats (Total: 32) COL 1100D	Lab
0002	Ashley Gollmann **Meets September 2, 2008 - October 17, 2008** TuTh 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab
0003	Dae Kwak **Meets September 2, 2008 - October 17, 2008** MW 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Stacy Goldsholl MW 10:00am - 11:15am	Seats (Total: 32) SPH 0103	Lab
0002	Jeremy Rietschel MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Jeremy Rietschel MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab
0004	Mark Saffer TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab
0005	Robert Creath TuTh 3:00pm - 4:15pm	Seats (Total: 32) SPH 0103	Lab
0006	Robert Creath TuTh 4:00pm - 5:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Jeffrey Hsu MW 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Jeremy Rietschel MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Mark Saffer TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0004	Mark Saffer TuTh 9:30am - 10:45am	Seats (Total: 32) SPH 0103	Lab

KNES157Q **Physical Education Activities: Coed; Body Building**

KNES157Q Physical Education Activities: Coed: Body Building; (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Ginny Scott TuTh 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Ginny Scott TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157R **Physical Education Activities: Coed; Circuit Training (Beginning)**

KNES157R Physical Education Activities: Coed: Circuit Training (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend classes beginning the first day.

0001	David Logan **Meets September 2, 2008 - October 17, 2008** MW 8:00am - 10:00am	Seats (Total: 30) SPH 0103	

KNES157T **Physical Education Activities: Coed; Circuit Training (Intermediate)**

KNES157T Physical Education Activities: Coed: Circuit Training (Intermediate); (1 credit) Grade Method: REG/P-F.

0001	Li-Chuan Lo **Meets October 20, 2008 - December 12, 2008** MW 8:00am - 10:00am	Seats (Total: 0) SPH 0103

KNES160N **Physical Education Activities: Coed; Volleyball (Beginning)**

KNES160N Physical Education Activities: Coed: Volleyball (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is first week of class only. Attendance is required of all students on the first day of class.

0001	Peter Baggetta **Meets October 20, 2008 - December 12, 2008** MW 8:00am - 10:00am	Seats (Total: 36) SPH 2101
0002	Peter Baggetta **Meets October 20, 2008 - December 12, 2008** MW 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day ofclass.

0001	Peter Baggetta **Meets October 20, 2008 - December 12, 2008** MW 12:00pm - 2:00pm	Seats (Total: 0) SPH 2101

0002	Peter Baggetta **Meets October 20, 2008 - December 12, 2008** TuTh 2:00pm - 4:00pm	Seats (Total: 0) SPH 2101	

KNES161F **Physical Education Activities: Coed; Yoga for Fitness**

KNES161F Physical Education Activities: Coed: Yoga for Fitness; (1 credit) Grade Method: REG/P-F/AUD.

0001	Rosemary Lindle TuTh 3:00pm - 4:15pm	Seats (Total: 35) SPH 0128	Lab
	Attendance is required of all students on the first day of class.		

KNES161R **Physical Education Activities: Coed; Step Aerobics (Beginning)**

KNES161R Physical Education Activities: Coed: Step Aerobics (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Amie Chaudry MW 10:00am - 12:00pm	Seats (Total: 50) ERC 0105	Lab
0002	Amie Chaudry TuTh 10:00am - 12:00pm	Seats (Total: 50) ERC 0105	Lab

KNES183 **Movement Content for Elementary School Children**

KNES183 Movement Content for Elementary School Children; (3 credits) Grade Method: REG/P-F/AUD.
Participation in movement activities with a focus on educational dance, gymnastics and games. Observation and analysis of movement behavior in relation to specific aspects of movement. Examination of relationships among movement forms.

0101	Susan Kogut TuTh 11:00am - 12:15pm Th 12:30pm - 2:00pm	Seats (Total: 20) SPH 0305 SPH 2101	Lab
	Students should meet in SPH 0307 for the first day of class.		

KNES190 **Personal Fitness and Wellness**

KNES190 Personal Fitness and Wellness; (2 credits) Grade Method: REG.
For KNES and Physical Education Majors Only. Scientific principles, concepts, and techniques designing personal fitness and/or physical activity programs.

0101	Stacy Goldsholl M 2:00pm - 2:50pm MW 3:00pm - 4:15pm	Seats (Total: 20) SPH 1312 ERC 0105	 Lab
	Students should meet in SPH 1312 or the first day of class.		

KNES200 **Introduction to Kinesiology**

KNES200 Introduction to Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to freshmen KNES majors or non-majors with less than 60 credits. Not open to non-major students who have completed over 60 credits. Credit will be granted for only one of the following: KNES200 or KNES289M. Formerly KNES289M. An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.

0101	Amy Haufler TuTh 9:30am - 10:45am	Seats (Total: 1) SPH 1301
0102	Amy Haufler TuTh 9:30am - 10:45am	Seats (Total: 1) SPH 1301
0103	Joseph Mahan TuTh 9:30am - 10:45am	Seats (Total: 20) SPH 0305

KNES200U **Introduction to Kinesiology**
Contact department for information to register for this course.

KNES245 **Methods of Teaching Physical Education**

KNES245 Methods of Teaching Physical Education; (3 credits) Grade Method: REG.

Prerequisite: KNES183. Not open to students who have completed KNES314. Credit will be granted for only one of the following: KNES245 or KNES314. Pedagogical methods for teaching children and adolescents using direct and indirect styles and strategies. Application of educational philosophy and psychology principles to instruction, class organization and management in physical education.

0101	Ana Palla-Kane	Seats (Total: 20)	
	MW 10:00am - 10:50am	SPH 0307	
	MW 11:00am - 11:50am	SPH 2101	Lab
	Students should meet in SPH 0307 for the first day of class.		

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F. CORE Life Science (LS) Course.

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

FC01	Rosemary Lindle	Seats (Total: 30)	
	TuTh 4:30pm - 5:45pm	SPH 1302	
	This section is only open to students in Freshmen Connection. Students should meet in SPH 1302 for the first day of class.		

KNES282 **Basic Care and Prevention of Athletic Injuries**

KNES282 Basic Care and Prevention of Athletic Injuries; (3 credits) Grade Method: REG/P-F.

Credit will be granted for only one of the following: KNES282 or KNES381. Formerly KNES381. Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR.

0101	John Bush	Seats (Total: 20)	
	MW 9:00am - 9:50am	SPH 1302	
	F 9:00am - 9:50am	SPH 1302	Lab

0102	John Bush MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 20) SPH 1302 SPH 1302	 Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	David Andrews TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	David Andrews TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	David Andrews TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0104	David Andrews TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0105	David Andrews TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0106	David Andrews TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0107	David Andrews TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion

0108	David Andrews TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0109	David Andrews TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Department Permission Required.

Contact department for information to register for this course.

KNES289K **Topical Investigations; Hippocratic Society**

KNES289K Topical Investigations: Hippocratic Society; (1 credit) Grade Method: REG/P-F.

0101	Mark Saffer Tu 2:00pm - 2:50pm	Seats (Total: 25) SPH 0305

KNES289L **Topical Investigations; Golf for Business and Life**

KNES289L Topical Investigations: Golf for Business and Life; (3 credits) Grade Method: REG/P-F.
Facility fee of $50 is required.

0101	Jeff Maynor TuTh 3:30pm - 5:30pm	Seats (Total: 24) SPH 0308

KNES289W **Topical Investigations; Personal Fitness: Conditioning**

KNES289W Topical Investigations: Personal Fitness: Conditioning; (2 credits) Grade Method: REG/P-F.
One hour lecture and 2 hours per week of various fitness activities. Attendance is expected beginning the first day of class.

0101	Stacy Goldsholl M 2:00pm - 2:50pm MW 3:00pm - 4:15pm	Seats (Total: 60) SPH 1312 SPH 0103	 Lab
	Students should meet in SPH 1312 for the first day of class.		

KNES289Z **Topical Investigations; The Kinesiology Major in the University**
Contact department for information to register for this course.

KNES291 **Teaching for Sequential Skill Development**

KNES291 Teaching for Sequential Skill Development; (3 credits) Grade Method: REG.
Corequisite: KNES370. Introduction to motor skill teaching from novice to advanced performer. Techniques and technologies used in skill analysis, correction and feedback to enhance and assess performance.

0101	Colleen Farmer TuTh 9:30am - 10:45am Tu 8:00am - 9:30am	Seats (Total: 20) SPH 0307 SPH 2101	 Lab

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0102	Damion Thomas MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 0) SPH 1312 SPH 0307	 Discussion
0103	Damion Thomas MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0104	Damion Thomas MW 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion

0105	Damion Thomas MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0106	Damion Thomas MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0107	Damion Thomas MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0108	Damion Thomas MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
0109	Damion Thomas MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0307	 Discussion
FC01	Michael Friedman TuTh 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 38) HBK 0109	

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Timothy Judkins MW 5:00pm - 6:15pm W 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0102	Timothy Judkins MW 5:00pm - 6:15pm W 9:30am - 11:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Timothy Judkins MW 5:00pm - 6:15pm W 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Timothy Judkins MW 5:00pm - 6:15pm W 12:30pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Timothy Judkins MW 5:00pm - 6:15pm W 2:00pm - 3:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Timothy Judkins MW 5:00pm - 6:15pm W 3:30pm - 5:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.

0101	Timothy Judkins MW 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Carrie Tupper TuTh 9:30am - 10:20am	Seats (Total: 35) ERC B0132	

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F. An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 190) SPH 1312	
0201	Jo Zimmerman TuTh 8:00am - 9:20am	Seats (Total: 190) SPH 1312	

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (3 credits) Grade Method: REG/P-F. *Prerequisites: {BSCI201; and BSCI202}; or permission of department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MW 12:00pm - 12:50pm Th 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MW 12:00pm - 12:50pm Th 9:30am - 11:00am	Seats (Total: 17) SPH 1312 SPH 0124	 Lab
0103	Marc Rogers MW 12:00pm - 12:50pm Th 11:00am - 12:30pm	Seats (Total: 17) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MW 12:00pm - 12:50pm Th 12:30pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0105	Marc Rogers MW 12:00pm - 12:50pm Th 2:00pm - 3:30pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0106	Marc Rogers MW 12:00pm - 12:50pm Th 3:30pm - 5:00pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0107	Marc Rogers MW 12:00pm - 12:50pm Tu 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0108	Marc Rogers MW 12:00pm - 12:50pm Tu 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (3 credits)** Grade Method: REG/P-F.
Prerequisites: {BSCI201; and BSCI202}; or permission of department.

0101	Marc Rogers MW 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 6) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101	Marcio Oliveira MW 1:00pm - 1:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0102	Marcio Oliveira MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	Lab

0103	Marcio Oliveira MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marcio Oliveira MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marcio Oliveira MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Marcio Oliveira MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marcio Oliveira MW 1:00pm - 1:50pm F 4:00pm - 4:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marcio Oliveira MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG/P-F.

0101	Marcio Oliveira MW 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 5) SPH 1312	

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	John Jeka MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	John Jeka MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	John Jeka MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	John Jeka MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	John Jeka MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	John Jeka MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F.

0101	John Jeka MW 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 8) SPH 1312	

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department is required.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Children's Development Clinic**

KNES389E Topical Investigations: Children's Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Paul Hahn Sa 8:30am - 12:30pm	Seats (Total: 18) SPH 0103

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department.

Contact department for information to register for this course.

KNES390 **Practicum/Internship in Teaching Physical Education**

KNES390 *(PermReq)* **Practicum/Internship in Teaching Physical Education; (3 credits)** Grade Method: REG.
Corequisite: KNES491. Teaching of children in a physical education setting. Specific emphasis on the development of a professional portfolio demonstrating understanding of curriculum development, lesson planning, progressions and evaluation of teaching performance. Departmental permission required.

0101	Ana Palla-Kane Tu 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) SPH 0305

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown TuTh 12:30pm - 1:45pm	Seats (Total: 60) SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing.

0101	Elizabeth Brown TuTh 12:30pm - 1:45pm	Seats (Total: 5) SPH 1303

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. Physiological concepts relating body composition factors to exercise and human performance. The scientific basis for the establishment and evaluation of conditioning programs where body composition may play an important role, such as weight control and athletics.

0101	Ben Hurley TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 0308

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES360.

0101	Ben Hurley TuTh 8:00am - 9:15am	Seats (Total: 2) SPH 0308

KNES462 **Neural Basis of Human Movement**

KNES462 Neural Basis of Human Movement; (3 credits) Grade Method: REG/P-F.
Prerequisites: {BSCI201; and BSCI202; and KNES385} or permission of department. An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

0101	Florian Kagerer TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 0308

KNES462H **Neural Basis of Human Movement**

KNES462H *(PermReq)* **Neural Basis of Human Movement; (3 credits)** Grade Method: REG/P-F.
Prerequisites: {BSCI201; and BSCI202; and KNES385} or permission of department.

0101	Florian Kagerer	Seats (Total: 3)
	TuTh 2:00pm - 3:15pm	SPH 0308

KNES464 **Exercise Metabolism: Role in Health and Disease**

KNES464 Exercise Metabolism: Role in Health and Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L. Examines the role of metabolism in kinesiology, especially as it relates to physical inactivity, health and disease. Includes bioenergetics, substrate utilization, cell signaling, and metabolic gene expression and their impact on chronic health conditions or disease.

0101	Espen Spangenburg	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SPH 0302

KNES464H **Exercise Metabolism: Role in Health and Disease**

KNES464H *(PermReq)* **Exercise Metabolism: Role in Health and Disease; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L.

0101	Espen Spangenburg	Seats (Total: 5)
	TuTh 9:30am - 10:45am	SPH 0302

KNES465 **Physical Activity and Disease Prevention and Treatment**

KNES465 Physical Activity and Disease Prevention and Treatment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit will be granted for only one of the following: KNES465 or KNES498A. Formerly KNES498A. Critically examines the scientific evidence that supports the use of physical activity to prevent and treat age-related diseases, including cardiovascular disease, diabetes, abnormal lipoprotein-lipid levels, hypertension, obesity, osteoporosis and cancer.

0101	James Hagberg	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SPH 1303

KNES465H **Physical Activity and Disease Prevention and Treatment**

KNES465H *(PermReq)* **Physical Activity and Disease Prevention and Treatment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit will be granted for only one of the following: KNES465 or KNES498A. Formerly KNES498A.

0101	James Hagberg	Seats (Total: 3)
	MW 2:00pm - 3:15pm	SPH 1303

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG.
Prerequisite: KNES360 or permission of department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SPH 1303

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG.
Prerequisite: KNES360 or permission of department.

0101	Marc Rogers	Seats (Total: 3)
	TuTh 11:00am - 12:15pm	SPH 1303

KNES476 **Honors Thesis Proposal**

KNES476 *(PermReq)* **Honors Thesis Proposal; (3 credits)** Grade Method: REG. *Restricted to KNES Honors students only. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES498R or KNES476. Formerly KNES498R.* Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Stephen Roth	Seats (Total: 10)
	F 10:00am - 10:50am	SPH 0301
	Contact instructor or department for details.	

KNES478 **Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: REG.
Continuing KNES Honors Students must enroll in KNES 478 every semester they are in the program.

0101	Stephen Roth	Seats (Total: 20)
	F 11:00am - 11:50am	SPH 0301

KNES480 **Measurement in Physical Education**

KNES480 Measurement in Physical Education; (3 credits) Grade Method: REG/P-F.
Prerequisite: MATH110. A study of the principles and techniques of educational measurement as applied to the teaching of physical education; study of the functions and techniques of measurement in the evaluation of student progress toward the objectives of physical education and in the evaluation of the effectiveness of teaching.

0101	Amy Haufler	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0307
	Students should meet in SPH 0307 for the first day of class.	

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 35) SPH 0302

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0302

KNES484 **Sporting Hollywood**

KNES484 Sporting Hollywood; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N. Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sexual, racial, class and national).

0101	Jessica Schultz TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 1301

KNES484H **Sporting Hollywood**

KNES484H *(PermReq)* **Sporting Hollywood; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N.

0101	Jessica Schultz	Seats (Total: 5)	
	TuTh 2:00pm - 3:15pm	SPH 1301	

KNES491 **The Curriculum in Physical Education**

KNES491 The Curriculum in Physical Education; (3 credits) Grade Method: REG/P-F.
Prerequisites: KNES300, KNES360, and KNES371. Curriculum sources, principles, and planning concepts, with emphasis on using valid criteria for the selection of content for physical education programs.

0101	Marvin Scott	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	SPH 0303	
	TuTh 8:00am - 9:15am	SPH 2240	Lab
	Students should meet in SPH 0303 for the first day of class.		

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENGL391, ENGL393, ENGL394, or ENGL395; and STAT100 or equivalent. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.

0101	Marc Rogers	Seats (Total: 18)	
	W 4:00pm - 6:30pm	SPH 1303	
	TBA	SPH 1303	Discussion
	Students in all sections should meet in 1303 for the first day of class		
0102	Marc Rogers	Seats (Total: 18)	
	W 4:00pm - 6:30pm	SPH 1303	
	TBA	SPH 1301	Discussion
	Students in all sections should meet in 1303 for the first day of class		

0103	Marc Rogers	Seats (Total: 18)	
	W 4:00pm - 6:30pm	SPH 1303	
	TBA	SPH 0308	Discussion
	Students in all sections should meet in 1303 for the first day of class		

KNES498 **Special Topics in Kinesiology**

KNES498 *(PermReq)* **Special Topics in Kinesiology; (3 credits)** Grade Method: REG/P-F.

0101	Colleen Farmer	Seats (Total: 10)
	Contact instructor or department for details.	

KNES498C **Special Topics in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

KNES498C *(PermReq)* **Special Topics in Kinesiology: Quantitative Methods in Cognitive Motor Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH115 or KNES300.

0101	Rodolphe Gentili	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	SPH 0301

KNES498E **Special Topics in Kinesiology; Women, Sport and Culture**

KNES498E Special Topics in Kinesiology: Women, Sport and Culture; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES287 or KNES287U and junior standing. Also offered as WMST498E.

0101	Jessica Schultz	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SPH 0308

KNES498K **Special Topics in Kinesiology; Sport and the Civil Rights Movement**

KNES498K Special Topics in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES293 or KNES293U and junior standing.

0101	Damion Thomas MW 2:00pm - 3:15pm	Seats (Total: 35) SPH 1301	

KNES498M **Special Topics in Kinesiology; Movement Disorders: Theory & Practice**

KNES498M Special Topics in Kinesiology: Movement Disorders: Theory & Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES385 or KNES385H and BSCI202. Friday lab is often off-campus.

0101	Jose Contreras-Vidal M 4:00pm - 5:50pm F 10:00am - 11:50am	Seats (Total: 35) SPH 1302 SPH 0303	 Lab

KNES498P **Special Topics in Kinesiology; Psychology of Athletic Performance**

KNES498P Special Topics in Kinesiology: Psychology of Athletic Performance; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 or KNES350H and junior standing. Also offered as KNES689Z.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 35) SPH 1303	

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: {KNES300 or KNES300H} and {KNES360 or KNES360H}.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 1302	

KNES498Y **Special Topics in Kinesiology; Managing Youth Programs: Educational Fitness and Sport**

KNES498Y Special Topics in Kinesiology: Managing Youth Programs: Educational Fitness and Sport; (3 credits) Grade Method: REG/P-F.
Prerequiste: KNES287 or KNES287U, KNES370 or KNES370H, and junior standing.

0101	Marvin Scott	Seats (Total: 35)	
	MWF 9:00am - 9:50am	SPH 0308	

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth	Seats (Total: 5)	
	F 12:00pm - 12:50pm	SPH 0301	Discussion

KNES620 **Teaching Kinesiology to Undergraduates**

KNES620 Teaching Kinesiology to Undergraduates; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: KNES620 or KNES689W. Formerly KNES689W. Analysis and application of innovative approaches to undergraduate kinesiology course design, teaching, and evaluation (e.g., problem-based learning, inquiry learning, simulations, collaboration, etc.).

0101	Jane Clark	Seats (Total: 10)
	W 4:00pm - 6:30pm	SPH 0301

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689M **Special Problems in Kinesiology; Psychobiological Foundations of Skilled Motor Behavior**

KNES689M Special Problems in Kinesiology: Psychobiological Foundations of Skilled Motor Behavior; (3 credits) Grade Method: REG/AUD.

0101	Bradley Hatfield Th 4:00pm - 7:00pm	Seats (Total: 15) SPH 1303

KNES689Q **Special Problems in Kinesiology; Sport and the Civil Rights Movement**

KNES689Q Special Problems in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/AUD.

0101	Damion Thomas MW 2:00pm - 3:15pm	Seats (Total: 35) SPH 1301

KNES689Y **Special Problems in Kinesiology; The Body, Culture, and Physical Activity**

KNES689Y Special Problems in Kinesiology: The Body, Culture, and Physical Activity; (3 credits) Grade Method: REG/AUD.

0101	David Andrews Tu 4:00pm - 6:30pm	Seats (Total: 15) SPH 2351C

KNES689Z **Special Problems in Kinesiology; Psychology of Athletic Performance**

KNES689Z Special Problems in Kinesiology: Psychology of Athletic Performance; (3 credits) Grade Method: REG/AUD.
Also offered as KNES498P.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 35) SPH 1303

KNES711 **Professional Development and Grantsmanship**

KNES711 Professional Development and Grantsmanship; (3 credits) Grade Method: REG/AUD.
Open only to Doctoral students in programs in the School of Public Health. Credit will be granted for only one of the following: KNES711 or KNES789X. Formerly KNES789X. Enhance continued professional development through an exploration of culture, climate, expectations and mentoring in research I universities. Generate a grant application including the hypothesis, structure, specific aims, background and significance, and submission of a total grant. Grant process and product will be emphasized.

0101	James Hagberg	Seats (Total: 10)
	F 1:00pm - 3:30pm	SPH 0301

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Fall 2008

KORA101 **Elementary Korean I**

KORA101 *(PermReq)* **Elementary Korean I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For non-Heritage students with no background in Korean. Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced. Click here for more KORA course information.

0101	Younghi Ramsey TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 2120

KORA201 **Intermediate Korean I**

KORA201 Intermediate Korean I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KORA102 or permission of instructor. An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Younghi Ramsey TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2122

KORA211 **Introductory Reading for Speakers of Korean I**

KORA211 Introductory Reading for Speakers of Korean I; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed two or more years of schooling in Korea. Designed to improve the language skills of students already conversant in Korean; instruction entirely in Korean; introduction in hangul; reading and writing of simple journal entries.

0101	Younghi Ramsey TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2125
0201	Myoungjin Kim MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1117

KORA311 **Korean for Heritage Speakers, Advanced-Low I**

KORA311 Korean for Heritage Speakers, Advanced-Low I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KORA212 or permission of instructor. Not open to students who have completed six or more years of schooling in Korea. Begins the second year of Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	JMZ 2122	

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Fall 2008

LARC120 **Digital Fundamentals**

LARC120 *(PermReq)* **Digital Fundamentals; (2 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. For LARC majors only. Not open to students who have completed LARC489A. Credit will be granted for only one of the following: LARC120 or LARC489A. Formerly LARC489A. An introduction to fundamental computer tools and techniques commonly used in design communication and landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting.

0101	David Myers	Seats (Total: 20)	
	M 2:00pm - 2:50pm	PLS 2137	
	M 3:00pm - 5:30pm	PLS 2137	Lab
0201	David Myers	Seats (Total: 20)	
	W 2:00pm - 2:50pm	PLS 2137	
	W 3:00pm - 5:30pm	PLS 2137	Lab

LARC141 **Design Fundamentals Studio**

LARC141 *(PermReq)* **Design Fundamentals Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC140 and permission of LARC program. Recommended: LARC263 (concurrently). Sophomore standing. For LARC majors only. Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.

0101	Ann Anderson MW 2:00pm - 2:50pm MW 3:00pm - 4:50pm	Seats (Total: 17) PLS 1172 PLS 2152	 Lab
0201	Ann Anderson TuTh 2:00pm - 3:15pm TuTh 3:30pm - 4:50pm	Seats (Total: 17) PLS 1162 PLS 2154	 Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Jack Sullivan MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0102	Jack Sullivan MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0103	Jack Sullivan MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0104	Jack Sullivan MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion

0105	Jack Sullivan MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1172	Discussion
0106	Jack Sullivan MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	Discussion
0107	Jack Sullivan MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1162	Discussion
0108	Jack Sullivan MW 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1111	Discussion
0109	Jack Sullivan MW 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1111	Discussion

LARC263 **History of Landscape Architecture**

LARC263 History of Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD.
A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

0101	Sonja Duempelmann TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1103	

LARC320 **Principles of Site Engineering**

LARC320 *(PermReq)* **Principles of Site Engineering; (3 credits)** Grade Method: REG.
Prerequisite: LARC221 and permission of LARC program. Corequisite: LARC340. Junior standing. For LARC majors only. Also offered as PLSC320. Formerly LARC364. The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.

0101	John Leonard	Seats (Total: 20)	
	TuTh 8:00am - 9:15am Th 9:30am - 10:45am	PLS 1115 PLS 2150	 Lab

LARC340 **Site Planning and Design Studio**

LARC340 *(PermReq)* **Site Planning and Design Studio; (5 credits)** Grade Method: REG.
Prerequisites: LARC221, LARC240, and LARC265. Corequisite: LARC320. Junior standing. For LARC majors only. An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.

0101	Dennis Nola	Seats (Total: 17)	
	MW 1:00pm - 1:50pm MW 2:00pm - 4:50pm	PLS 1172 PLS 2150	 Lab

LARC389 **Internship in Landscape Architecture**

LARC389 Internship in Landscape Architecture; (3 credits) Grade Method: REG.

0101	Steven Cohan	Seats (Total: 7)	
	M 9:00am - 9:50am Contact instructor or department for details.	PLS 1113	

LARC420 **Professional Practice**

LARC420 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321. For LARC majors only. An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Dennis Nola	Seats (Total: 20)	
	Th 9:30am - 12:15pm	PLS 0104	Lab

LARC440 **Urban Studio Design**

LARC440 *(PermReq)* **Urban Studio Design; (5 credits)** Grade Method: REG.
Prerequisites: LARC321, LARC340, and LARC341. For LARC majors only. The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Sonja Duempelmann	Seats (Total: 17)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:50pm	PLS 2148	Lab

LARC450 **Environmental Resources**

LARC450 *(PermReq)* **Environmental Resources; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 or permission of department. A review of ecosystems and an examination of planning strategies for preservation, conservation, management and development of sensitive natural and cultural landscape resources in the mid-Atlantic region. Two all day Friday field trips are required. Dates to be announced later.

0101	David Myers	Seats (Total: 23)
	MW 10:00am - 10:50am	PLS 1113
	F 10:00am - 10:50am	PLS 1158
	Contact instructor or department for details.	

LARC470 **Landscape Architecture Seminar**

LARC470 *(PermReq)* **Landscape Architecture Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC321 and LARC341. Corequisite: LARC440. Senior standing. For LARC majors only. A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Raffaella Fabiani Giannetto	Seats (Total: 20)
	Tu 9:30am - 12:15pm	PLS 0104

LARC489L **Special Topics in Landscape Architecture; History of Landscape Architecture**

LARC489L *(PermReq)* **Special Topics in Landscape Architecture: History of Landscape Architecture; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Sonja Duempelmann	Seats (Total: 5)	
	TuTh 9:30am - 10:45am	Location: TBA	

LARC489R **Special Topics in Landscape Architecture; Advanced Design Research**

LARC489R Special Topics in Landscape Architecture: Advanced Design Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Dennis Nola	Seats (Total: 1)	
	Contact instructor or department for details.		

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

LARC620 Graphic Tools for Landscape Representation; (3 credits) Grade Method: REG/AUD.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 10:00am - 10:50am	PLS 2156	
	TuTh 11:00am - 12:00pm	PLS 2156	Lab

LARC640 **Graduate Studio I**

LARC640 Graduate Studio I; (5 credits) Grade Method: REG/AUD.

0101	Shenglin Chang	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2156	
	TuTh 2:00pm - 4:50pm	PLS 2156	Lab

LASC Certificate in Latin American Studies — Fall 2008

LASC100 **Challenges of the Cities**

LASC100 Challenges of the Cities; (3 credits) Grade Method: REG/P-F/AUD. Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies. Also offered as URSP100.

0101	William Hanna	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	ASY 2203

LASC234 **Issues in Latin American Studies I**

LASC234 Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana	Seats (Total: 45)
	MWF 10:00am - 10:50am	JMZ 2206

LASC234H **Issues in Latin American Studies I**

LASC234H Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234.

0101	Ivette Rodriguez-Santana	Seats (Total: 5)
	MWF 10:00am - 10:50am	JMZ 2206

LASC448F **Special Topics in Latin American Studies; Race and Ethnicity in Brazil: A Social History**

LASC448F Special Topics in Latin American Studies: Race and Ethnicity in Brazil: A Social History; (3 credits) Grade Method: REG.
Also offered as ANTH468K.

0101	Janet Chernela M 4:00pm - 6:40pm	Seats (Total: 30) PLS 1111

LASC448L **Special Topics in Latin American Studies; Law and Identities**

LASC448L Special Topics in Latin American Studies: Law and Identities; (3 credits) Grade Method: REG.
Also offered as AASP499L, AAST498D, JWST419D, LGBT448L, and WMST498C.

0101	Sherri Beatty-Arthur Tu 3:00pm - 5:30pm	Seats (Total: 30) KEY 0119

LASC448M **Special Topics in Latin American Studies; Wealth and Poverty in Modern Latin America**

LASC448M Special Topics in Latin American Studies: Wealth and Poverty in Modern Latin America; (3 credits) Grade Method: REG.
also offered as HIST429M.

0101	Karen Caplan Tu 2:00pm - 4:30pm	Seats (Total: 20) SQH 2121

LATN Latin Fall 2008

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Kenneth Tuite MWF 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) MTH B0429 MTH B0429

LATN120 **Intensive Latin**

LATN120 Intensive Latin; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Not open for credit to students with credit for LATN102. Elements of Latin grammar and vocabulary; elementary reading. The first year's study of Latin compressed into a single semester.

0101	Judith Hallett	Seats (Total: 22)
	MWF 10:00am - 10:50am	WDS 1131
	F 9:00am - 9:50am	WDS 1131

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	Steven Rutledge	Seats (Total: 20)
	TuTh 2:00pm - 3:50pm	WDS 0104

LATN301 **Plautus**

LATN301 Plautus; (3 credits) Grade Method: REG/P-F/AUD.
Plautine drama. Literary, linguistic and socio-cultural aspects.

0101	Judith Hallett	Seats (Total: 25)
	MW 3:30pm - 4:45pm	KEY 0125

LATN410 **Latin Historians**

LATN410 Latin Historians; (3 credits) Grade Method: REG/P-F/AUD.
Latin historical writing as a literary genre. Influences, style, and literary techniques.

0101	Steven Rutledge	Seats (Total: 15)
	Tu 5:00pm - 7:40pm	MMH 3418

LATN472 **Historical Development of the Latin Language**

LATN472 Historical Development of the Latin Language; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: LATN472 or LING431. An analysis of the development of the Latin language from archaic times to the Middle Ages.

0101	Judith Hallett	Seats (Total: 15)
	M 5:00pm - 7:50pm	MMH 3418

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN672 **Historical Development of the Latin Language**

LATN672 Historical Development of the Latin Language; (3 credits) Grade Method: REG/AUD.
An analysis of the development of the Latin language from the archaic period to the Middle Ages.

0101	Judith Hallett M 5:00pm - 7:40pm	Seats (Total: 10) MMH 3418

LATN688C **Special Topics in Latin Literature; Latin Historians**

LATN688C Special Topics in Latin Literature: Latin Historians; (3 credits) Grade Method: REG/AUD.

0101	Steven Rutledge Tu 5:00pm - 7:40pm	Seats (Total: 10) MMH 3418

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

0101	Trudi Hahn Contact instructor or department for details. *This is a WebCT course.*	Seats (Total: 20)
0201	Nancy Roderer Th 5:30pm - 8:15pm	Seats (Total: 30) PLS 1113
0301	Soo Kim W 5:30pm - 8:15pm	Seats (Total: 25) HBK 0109

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduction to all aspects of archival work, including records management, appraisal, and selection, arrangement and description, preservation, electronic records, reference and outreach. Elements of an archival program. The role and work of archivists. Issues, conditions, and needs in the field.

0101	Jean Dryden W 10:00am - 12:45pm	Seats (Total: 30) HBK 0103

LBSC625 **Information Policy**

LBSC625 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

0101	Paul Jaeger Th 5:30pm - 8:15pm	Seats (Total: 22) HBK 0105

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations.

0101	Nancy Davenport, Thomas Phelps Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0123
0201	Ping Wang Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 0105
0301	Ann Prentice Contact instructor or department for details. *This section is online.*	Seats (Total: 20)

LBSC640 **Library Media Specialists as Information Professionals**

LBSC640 Library Media Specialists as Information Professionals; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department and instructor required. Credit will be granted for only one of the following: LBSC 640 or LBSC 643. Formerly LBSC643.
Foundational concepts in information studies and in school library media programs and services. Current and evolving educational systems; roles and functions of library media specialists within them.

0101	Ann Weeks W 5:30pm - 8:15pm	Seats (Total: 22) HBK 0123

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 28) HBK 0115

LBSC646 **Literature and Materials for Young Adults**

LBSC646 Literature and Materials for Young Adults; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC646 or LBSC746. Formerly LBSC746. Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Myra Paul Tu 5:30pm - 8:15pm	Seats (Total: 25) III 4206

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Derek Hansen Th 9:30am - 12:15pm	Seats (Total: 30) HBK 2119
0201	Soo Kim Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105
0301	Karen Hartman Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0103
SG01	Soo Kim Th 5:30pm - 8:15pm	Seats (Total: 25) III 4206

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Yan Qu Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0103
0201	Yan Qu M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0105

LBSC680 **Principles of Records and Information Management**

LBSC680 Principles of Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

0101	Bruce Ambacher Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0115

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0101	Douglas Oard M 5:30pm - 8:15pm	Seats (Total: 36) PLS 1129
0301	Jimmy Lin W 1:00pm - 3:45pm	Seats (Total: 36) HBK 0103

LBSC698 **Children's Information Technology and Policy**

LBSC698 Children's Information Technology and Policy; (3 credits) Grade Method: REG/AUD.

0101	Allison Druin	Seats (Total: 15)
	W 5:30pm - 8:15pm	HBK 4115

LBSC705 **Infomation for Decision-Making**

LBSC705 Seminar in Information for Decision-Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The use of information in organizational and individual decision- making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

0101	Vedat Diker	Seats (Total: 10)
	W 6:00pm - 8:45pm	HBK 2119

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods.

0101	John Bertot	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LBSC715 **Knowledge Management**

LBSC715 Knowledge Management; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 708N or LBSC 715. Formerly LBSC708N. Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

0101	Raymond Paquette Tu 6:00pm - 8:45pm	Seats (Total: 10) HBK 4115

LBSC724 **Public Library Seminar**

LBSC724 Public Library Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.

0101	Maralita Freeny Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0109

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Paul Jaeger W 1:00pm - 3:45pm	Seats (Total: 25) HBK 2119

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: permission of department. Library media specialists' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

0101	Sharan Blohm Th 5:30pm - 8:15pm	Seats (Total: 16) HBK 4113

LBSC744 **Field Study in School Library Media Programs**

LBSC744 Field Study in School Library Media Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 741 and LBSC 742; or permission of instructor. Practicum and seminar in library media programs at the elementary, middle, and secondary levels.

0101	Ann Weeks Sa 9:30am - 12:15pm	Seats (Total: 16) HBK 4113

LBSC750 **Information Access in Electronic Environments**

LBSC750 Information Access in Electronic Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Analysis of information problems, search strategy development, evaluation of electronic resources, command language comparisons, evaluation of search results.

0101	Anne Caputo Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0105

LBSC751 **Information Access in the Humanities**

LBSC751 Information Access in the Humanities; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information structure, and information sources and services in the humanities (for example, religion, philosophy, language, literature, history, music history, art history).

0101	Kari Kraus M 10:00am - 12:45pm	Seats (Total: 30) HBK 0105

LBSC767 **Access to Federal Government Information**

LBSC767 Access to Federal Government Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

0101	Deborah Klein W 10:00am - 12:45pm	Seats (Total: 25) HBK 4113

LBSC785 **Documentation, Collection, and Appraisal of Records**

LBSC785 Documentation, Collection, and Appraisal of Records; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 605 or permission of instructor. Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Bruce Ambacher Tu 12:30pm - 3:15pm	Seats (Total: 30) HBK 2119

LBSC786 **Library and Archives Preservation**

LBSC786 Library and Archives Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Literature and key issues in the preservation of archival and library materials. The development of preservation programs and the establishment and maintenance of effective management techniques. The nature of the materials from which archives and books are made, causes of damage and deterioration, binding structures and environmental concerns will be discussed within the context of general archives and libraries administration.

0101	Walter Cybulski Th 5:30pm - 8:15pm	Seats (Total: 30) PLS 1117

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC802 **Seminar in Research Methods and Data Analysis**

LBSC802 Seminar in Research Methods and Data Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department; and coursework in statistics and introduction to research methods. Topics and issues in information studies research. Design and conduct of research project.

0101	Kenneth Fleischmann Tu 2:00pm - 4:45pm	Seats (Total: 16) HBK 4113

LBSC878A **Doctoral Seminar in Information Studies; Web-Scale Information Processing Applications**

LBSC878A *(PermReq)* **Doctoral Seminar in Information Studies: Web-Scale Information Processing Applications; (3 credits)** Grade Method: REG/AUD.

0101	Jimmy Lin MW 9:30am - 10:45am	Seats (Total: 15) HBK 2119

LBSC888 **Doctoral Seminar; Doctoral Seminar**

LBSC888 Doctoral Seminar: Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Golbeck W 1:00pm - 3:45pm	Seats (Total: 15) HBK 4115

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LFSC Life Sciences Fall 2008

LFSC001 **Life Science Assessment Test**
Contact department for information to register for this course.

LFSC510 **Concepts of Modern Biology**

LFSC510 Concepts of Modern Biology; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers. Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree.

DL01	William Higgins	Seats (Total: 28)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LFSC520 **Concepts of Modern Chemistry**

LFSC520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

DL01	Dorothy Mazzocchi, Nava Ben-Zvi	Seats (Total: 20)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LFSC608 **Seminar in Current Topics in Life Science**

Contact department for information to register for this course.

LFSC608A **Seminar in Current Topics in Life Science; Independant Research**
Contact department for information to register for this course.

LFSC609A **Special Topics; Food Safety and GM Foods**

LFSC609A *(PermReq)* **Special Topics: Food Safety and GM Foods; (3 credits)** Grade Method: REG/AUD.

DL01	Lucinda Jack	Seats (Total: 30)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LFSC609T **Special Topics; Special Topics in Biology**
Contact department for information to register for this course.

LFSC619A **Special Topics in Chemistry; Molecular Spectroscopy**

LFSC619A *(PermReq)* **Special Topics in Chemistry: Molecular Spectroscopy; (3 credits)** Grade Method: REG/AUD.

DL01	Paul Mazzocchi	Seats (Total: 20)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LFSC619T **Special Topics in Chemistry**

LFSC619T Special Topics in Chemistry; (1-3 credits) Grade Method: REG/AUD.

DL01	Paul Mazzocchi	Seats (Total: 1)
	Contact instructor or department for details.	

LFSC620 **Modern Molecular Genetics**

LFSC620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

DL01	Paul Bottino	Seats (Total: 21)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LFSC665 **Ecology and Global Change**
Contact department for information to register for this course.

LFSC680 **Chemical Ecology**

LFSC680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

DL01	Paul Mazzocchi, Bruce Jarvis	Seats (Total: 26)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

LGBT Lesbian Gay Bisexual Transgender Studies — Fall 2008

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Not open to students who have completed WMST298E. Credit will be granted for only one of the following: LGBT200 or WMST298E. Formerly WMST298E. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso TuTh 12:30pm - 1:45pm	Seats (Total: 35) LEF 1201
0201	JV Sapinoso TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1101

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0301	Alyson Doulos TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1105

LGBT350 **Lesbian, Gay, Bisexual, and Transgender People and Communication**

LGBT350 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender People and Communication; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LGBT200 (formerly: WMST298E) and permission of program. Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).

0101	Luke Jensen	Seats (Total: 10)
	W 3:30pm - 5:10pm	COL 0101
	Contact instructor or department for details.	

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT studies and permission of program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448C **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sex and the City**

LGBT448C Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Sex and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An interdisciplinary approach to the study of gender, race, sexuality, and geography. Topics will include theories of race, gender, and sexual migration, public sex, gentrification, street safety and the politics of violence, and the language of space in counter-publics and cultural production.

0101	Christina Hanhardt	Seats (Total: 30)
	MW 2:00pm - 3:15pm	ARM 0105

LGBT448E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Asian American Sexualities**

LGBT448E Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Gemirald Daus	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PLS 1115

LGBT448F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; LGBT Families**

LGBT448F Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: LGBT Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Emily Mann	Seats (Total: 35)
	MW 11:00am - 12:15pm	TYD 0111

LGBT448L **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Law and Identities**

LGBT448L Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AASP499L, AAST498D, JWST419D, LASC448L, and WMST498C.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0119

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Fall 2008

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, ect.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) LEF 2205 KEY 0102	Discussion
0102	Margaret Antonisse MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) LEF 2205 PHY 1402	Discussion
0103	Margaret Antonisse MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 ARM 0110	Discussion
0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 MTH 0106	Discussion
0105	Margaret Antonisse MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 SYM 0215	Discussion
0106	Margaret Antonisse MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion

LING240 Language and Mind

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields.. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Margaret Antonisse	Seats (Total: 40)
	MWF 11:00am - 11:50am	WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Juan Uriagereka	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 0108

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMP 1109

LING330 **Historical Linguistics**

LING330 Historical Linguistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING200 or LING240. Recommended: LING321 and LING311.* A traditional presentation of language change. Language types and families, sounds and writing systems, grammatical categories. Reconstruction of proto-languages by internal and comparative methods. Recommended: LING311 and LING321.

0101	Tess Wood	Seats (Total: 25)
	MW 10:00am - 11:15am	MTH 0201

LING410 **Grammar and Meaning**

LING410 Grammar and Meaning; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING 311 or permission of instructor.* The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Paul Pietroski	Seats (Total: 15)
	MW 10:00am - 11:30am	PLS 1168

LING419C **Topics in Syntax; Clitics and Other Wonders of Romance**

LING419C Topics in Syntax: Clitics and Other Wonders of Romance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Juan Uriagereka	Seats (Total: 20)
	MW 3:00pm - 4:30pm	ARM 0120

LING444 **Child Language Acquisition**

LING444 Child Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING311.* Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.

0101	Jeffrey Lidz	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HBK 0125

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499A **Directed Studies in Linguistics; Seminar in Psycholinguistics**

LING499A Directed Studies in Linguistics: Seminar in Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Investigates how children acquire syntax, mostly focusing on the age range of 3-6 years. Basic knowledge of syntax will be assumed. Topics tobe covered include: wh-movement, scope ambiguity and pronoun coreference. Focus will be on theories of learning, evidence required, and impact of syntactic theory.

0101	Anastasia Conroy	Seats (Total: 10)	
	TuTh 11:00am - 12:30pm	MMH 3418	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

LING610 Syntactic Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 312. Intensive introduction to transformational syntax.

0101	Howard Lasnik	Seats (Total: 15)	
	Tu 2:00pm - 5:00pm	KEY 0121	
	Th 11:00am - 12:00pm	LEF 1222	Discussion

LING620 **Phonological Theory**

LING620 Phonological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 322. Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	William Idsardi	Seats (Total: 15)
	TuTh 9:30am - 11:00am	ARM 0121

LING640 **Psycholinguistics**

LING640 Psycholinguistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips	Seats (Total: 20)
	MW 12:00pm - 1:30pm	SKN 1115

LING660 **Introduction to Semantics**

LING660 Introduction to Semantics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

0101	Paul Pietroski	Seats (Total: 10)
	MW 10:00am - 11:30am	PLS 1168

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689A **Independent Study; Linguistics and Philosophy: Propositional Attitudes**

LING689A Independent Study: Linguistics and Philosophy: Propositional Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Erin Eaker, Valentine Hacquard Th 2:00pm - 4:30pm	Seats (Total: 15) HBK 1116

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik F 2:00pm - 4:00pm	Seats (Total: 10) MMH 1304

LING723 **Computational Linguistics I**

LING723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421 or equivalent; or permission of instructor. Also offered as CMSC723. Not open to students who have completed LING645. Formerly LING645.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Saif Mohammad W 4:00pm - 6:45pm	Seats (Total: 40) CSI 3120

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory**

LING819 Seminar in Syntactic Theory; (3 credits) Grade Method: REG/AUD.

0101	Norbert Hornstein	Seats (Total: 15)
	W 3:00pm - 6:00pm	MMH 1108B

LING848 **Seminar in Computational Linguistics**

LING848 Seminar in Computational Linguistics; (3 credits) Grade Method: REG/AUD.

0101	Philip Resnik	Seats (Total: 15)
	M 1:30pm - 4:05pm	MMH 1108B

LING869 **Seminar in Neurolinguistics; Cortical Basis of Speech Perception**

LING869 Seminar in Neurolinguistics: Cortical Basis of Speech Perception; (3 credits) Grade Method: REG/AUD.

0101	David Poeppel	Seats (Total: 15)
	W 9:00am - 12:00pm	MMH 3416

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889A **Directed Research; Linguistics and Philosophy: Propositional Attitudes**

LING889A Directed Research: Linguistics and Philosophy: Propositional Attitudes; (1-8 credits) Grade Method: REG/AUD.

0101	Valentine Hacquard, Erin Eaker	Seats (Total: 15)
	Th 2:00pm - 4:30pm	HBK 1116

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech — Fall 2008

MAIT623 **Modern Mathematical Methods of Signal and Image Processing I**

MAIT623 Modern Mathematical Methods of Signal and Image Processing I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Knowledge of advanced calculus and applications or permission of instructor. Introduction to current signal/image processing techniques, including wavelets and frames, in the context of applied and numerical harmonic analysis. Topics include time-frequency and time-scale representations, sub-band filterbanks, and applications to compression and denoising. Also offered as AMSC623. Course will meet at 1000 Wilson Blvd., Arlington, VA.

0101	Glenn Easley	Seats (Total: 20)
	Th 6:00pm - 8:45pm	MTH 3206

MAIT633 **Applied Fourier Analysis**

MAIT633 Applied Fourier Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: Knowledge of advanced calculus or permission of instructor.* Theory, practice, and implementation (e.g. MATLAB) of Fourier analysis with applications in signal processing. Topics include the Fourier transform for periodic and non-periodic functions in continuous and discrete time, generalized functions, sampling theorems, fast computational algorithms for transforms and convolutions, filterbanks and multirate systems.

0101	Christopher Sansing M 6:00pm - 8:45pm	Seats (Total: 20) MTH 3206

MAIT679W **Special Topics in Mathematics of Advanced Industrial Technology; Wavelet Theory and Waveform Design**

MAIT679W Special Topics in Mathematics of Advanced Industrial Technology: Wavelet Theory and Waveform Design; (3 credits) Grade Method: REG/AUD. Also offered as MAIT679W. Credit will be granted for only one of the following: MATH648W or MAIT679W.

0101	John Benedetto Tu 6:00pm - 8:45pm	Seats (Total: 30) MTH 3206

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD.

0101	John Benedetto Contact instructor or department for details.	Seats (Total: 5)
0102	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 1)

MATH Mathematics Fall 2008

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* MATH003 is a review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class in addition to the regular tuition charge.

0101	Jack Baker MWF 8:00am - 9:50am	Seats (Total: 35) CEN 0200
0102	Jack Baker MWF 8:00am - 9:50am	Seats (Total: 17) COL 0104
0201	David Shoup MWF 10:00am - 11:50am	Seats (Total: 36) CEN 0200
0202	David Shoup MWF 10:00am - 11:50am	Seats (Total: 17) COL 0104
0301	Kristy Vernille Blocklin MWF 12:00pm - 1:50pm	Seats (Total: 35) CEN 0200
0302	Kristy Vernille Blocklin MWF 12:00pm - 1:50pm	Seats (Total: 22) COL 0104
0401	Justin Malin MWF 2:00pm - 3:50pm	Seats (Total: 35) CEN 0200
0402	Justin Malin MWF 2:00pm - 3:50pm	Seats (Total: 19) COL 0104

0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 38) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 21) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 35) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 15) COL 0104
FC01	Jack Baker MW 6:00pm - 8:45pm *This section is only open to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 30) CEN 0200
FC02	David Flynn TuTh 6:00pm - 8:45pm *This section is only open to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 30) CEN 0200

MATH010 Algebra for MATH 110

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively, and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course, provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Elizabeth Shearn MTuWThF 10:00am - 10:50am	Seats (Total: 30) ARM 0105
1201	Elizabeth Shearn MTuWThF 11:00am - 11:50am	Seats (Total: 32) ARM 0105
1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Stephen Kcenich MTuWThF 8:00am - 8:50am	Seats (Total: 32) ARM 0116
1201	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 32) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 10:00am - 10:50am	Seats (Total: 30) ARM 0116
1201	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 30) ARM 0116

1301	Matthew Konicki MTuWThF 12:00pm - 12:50pm	Seats (Total: 32) ARM 0116
1401	Matthew Konicki MTuWThF 1:00pm - 1:50pm	Seats (Total: 30) ARM 0116
1501	Matthew Konicki MTuWThF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	David Flynn MTuWThF 8:00am - 8:50am	Seats (Total: 30) ARM 0119
1102	Marguerite Jarchow MTuWThF 8:00am - 8:50am	Seats (Total: 25) ARM 0105
1301	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 25) MTH B0429
1401	Esther David MTuWThF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0429

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI83 or TI83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0105
0102	Shelby Wilson MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0403
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0105
0202	Kijoeng Nam MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0403
0301	Shelby Wilson MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0409
0302	Kijoeng Nam MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0405
FC01	Kristy Vernille Blocklin MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 30) MTH 0401

MATH111 Introduction to Probability

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Daniel Weinberg MWF 1:00pm - 1:50pm	Seats (Total: 33) PHY 1219
0102	Lucas Tcheuko MWF 1:00pm - 1:50pm	Seats (Total: 33) MTH 0106
0103	Ekaterina Sotiris MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0105
0104	Sauleh Siddiqui MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH 0403
0105	Geetanjali Kachari MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH 0407
0106	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH B0423
0201	Enrico Au Yeung MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0307
0202	Lucas Tcheuko MWF 2:00pm - 2:50pm	Seats (Total: 33) MTH 0106
0203	Ekaterina Sotiris MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0105
0204	Sauleh Siddiqui MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0403

0205	Geetanjali Kachari MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0407	
0206	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH B0423	
0311	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0312	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0321	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0322	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0331	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0332	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0341	William Schildknecht MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0342	William Schildknecht MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
FC01	Christopher Shaw TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 33) MTH B0421	

FC02	David Shoup TuTh 4:30pm - 5:45pm	Seats (Total: 33) MTH 0307
	This section is only open to students in Freshmen Connection.	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Jacqueline Stone MWF 10:00am - 10:50am	Seats (Total: 29) ARM 0119
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 29) ARM 0119
0202	Albert Hergenroeder MWF 11:00am - 11:50am	Seats (Total: 33) MTH B0429
0203	Gregory Johnson MWF 11:00am - 11:50am	Seats (Total: 25) MTH 0409

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	David Karpuk MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0304
0102	Wei Guo MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0106
0201	David Karpuk MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0304
0202	Kristy Vernille Blocklin MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0106
0203	Benjamin Dussault MWF 11:00am - 11:50am	Seats (Total: 30) MTH B0427
0301	Wei Guo MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0304
0302	Sompong Chuysurichay MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0306
0303	Lucaci Vaczlavik MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0106
0401	Gregory Johnson MWF 4:00pm - 4:50pm	Seats (Total: 30) MTH 0304

0402	Sompong Chuysurichay MWF 4:00pm - 4:50pm	Seats (Total: 30) MTH 0306	
0403	Lucaci Vaczlavik MWF 4:00pm - 4:50pm	Seats (Total: 30) MTH 0106	
0511	Gregory Johnson MWF 9:00am - 9:50am Th 8:00am - 9:15am	Seats (Total: 25) ARM 0135 MTH 0405	Discussion
0512	Gregory Johnson MWF 9:00am - 9:50am Th 8:00am - 9:15am	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0513	Gregory Johnson MWF 9:00am - 9:50am Th 8:00am - 9:15am	Seats (Total: 25) ARM 0135 MTH 0407	Discussion
0521	Gregory Johnson MWF 9:00am - 9:50am Th 9:30am - 10:45am	Seats (Total: 25) ARM 0135 MTH 0405	Discussion
0522	Gregory Johnson MWF 9:00am - 9:50am Th 9:30am - 10:45am	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0523	Gregory Johnson MWF 9:00am - 9:50am Th 9:30am - 10:45am	Seats (Total: 25) ARM 0135 MTH 0407	Discussion
0531	Gregory Johnson MWF 9:00am - 9:50am Th 11:00am - 12:15pm	Seats (Total: 25) ARM 0135 MTH 0405	Discussion
0532	Gregory Johnson MWF 9:00am - 9:50am Th 11:00am - 12:15pm	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0533	Gregory Johnson MWF 9:00am - 9:50am Th 11:00am - 12:15pm	Seats (Total: 25) ARM 0135 MTH 0407	Discussion

FC01	Darran Furnival MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 31) MTH B0425
FC02	Timothy Pilachowski MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 32) MTH 0303

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115.* Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH220 or MATH140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0101	Frances Gulick MWF 8:00am - 8:50am	Seats (Total: 30) MTH 0303
0102	Justin Brody MWF 8:00am - 8:50am	Seats (Total: 30) MTH 0201
0103	Nicholas Cotton MWF 8:00am - 8:50am	Seats (Total: 30) MTH 0304
0104	Stephen Balady MWF 8:00am - 8:50am	Seats (Total: 30) MTH 0101
0201	Earnest Harrison MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0303
0202	Justin Brody MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0201

0203	Nicholas Cotton MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0304	
0204	Stephen Balady MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0101	
0205	Peng Gao MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0302	
FC01	Miguel Pauletti MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 32) MTH B0427	

MATH130 **Calculus for Life Sciences I**

MATH130 *(PermReq)* **Calculus for Life Sciences I; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of department.

0111	Doron Levy TuTh 11:00am - 12:15pm M 8:00am - 8:50am W 8:00am - 8:50am *Restricted to CLFS freshmen matriculating Fall 2008.*	Seats (Total: 0) ARM 0126 MTH 0403 MTH 0403	 Discussion Discussion
0121	Doron Levy TuTh 11:00am - 12:15pm M 9:00am - 9:50am W 9:00am - 9:50am *Restricted to CLFS freshmen matriculating Fall 2008.*	Seats (Total: 0) ARM 0126 MTH 0403 MTH 0403	 Discussion Discussion
0131	Doron Levy TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm W 12:00pm - 12:50pm *Restricted to CLFS freshmen matriculating Fall 2008.*	Seats (Total: 0) ARM 0126 MTH 0401 MTH 0401	 Discussion Discussion

0132	Doron Levy	Seats (Total: 0)	
	TuTh 11:00am - 12:15pm	ARM 0126	
	M 12:00pm - 12:50pm	HBK 1112	Discussion
	W 12:00pm - 12:50pm	HBK 1112	Discussion
	Restricted to CLFS freshmen matriculating Fall 2008.		
0141	Doron Levy	Seats (Total: 0)	
	TuTh 11:00am - 12:15pm	ARM 0126	
	M 1:00pm - 1:50pm	MTH 0401	Discussion
	W 1:00pm - 1:50pm	MTH 0401	Discussion
	Restricted to CLFS freshmen matriculating Fall 2008.		
0151	Doron Levy	Seats (Total: 0)	
	TuTh 11:00am - 12:15pm	ARM 0126	
	M 2:00pm - 2:50pm	HBK 1112	Discussion
	W 2:00pm - 2:50pm	HBK 1112	Discussion
	Restricted to CLFS freshmen matriculating Fall 2008.		

MATH131 **Calculus for Life Scienes II**

MATH131 Calculus for Life Scienes II; (4 credits) Grade Method: REG/P-F/AUD.

0101	Denny Gulick	Seats (Total: 30)	
	MWF 10:00am - 10:50am	MTH 0405	
	TuTh 10:00am - 10:50am	MTH 0101	

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 0102	 Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 0302	 Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 1311	 Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH 0102	 Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH 0302	 Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH B0429	 Discussion

0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) PHY 1412 MTH 0102	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) PHY 1412 MTH 1308	Discussion
0211	David Kueker MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0411	Discussion
0212	David Kueker MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0302	Discussion
0213	David Kueker MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0303	Discussion
0221	David Kueker MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0411	Discussion
0222	David Kueker MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0302	Discussion
0223	David Kueker MWF 11:00am - 11:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0405	Discussion
0231	David Kueker MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0411	Discussion
0232	David Kueker MWF 11:00am - 11:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0405	Discussion

0311	Sean Lawton MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 EGL 1204	 Discussion
0312	Sean Lawton MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0403	 Discussion
0313	Sean Lawton MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0104	 Discussion
0321	Sean Lawton MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0303	 Discussion
0322	Sean Lawton MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 21) ARM 0135 MTH 0403	 Discussion
0323	Sean Lawton MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0135 MTH 0102	 Discussion
0331	Sean Lawton MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0407	 Discussion
0332	Sean Lawton MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0403	 Discussion
0411	Frances Gulick MWF 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0135 MTH 0104	 Discussion
0412	Frances Gulick MWF 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0135 MTH 0303	 Discussion

0413	Frances Gulick MWF 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0135 MTH 0105	Discussion
0421	Frances Gulick MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0409	Discussion
0422	Frances Gulick MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0201	Discussion
0423	Frances Gulick MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0135 MTH 0101	Discussion
0431	Frances Gulick MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0303	Discussion
0432	Frances Gulick MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0135 MTH 0102	Discussion
FC01	Edgar Lopez-Escobar TuTh 3:00pm - 3:50pm MW 3:00pm - 3:50pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 35) MTH 0104 MTH 0405	
FC02	Gregory Johnson MTuWTh 3:00pm - 3:50pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 35) MTH 0201	

MATH140H Calculus I

MATH140H Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH140 or MATH220. For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, or TI-86 calculator.

0101	Justin Wyss-Gallifent MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 25) MTH 0104 MTH 0104	
0201	C Warner WF 2:00pm - 2:50pm M 2:00pm - 3:50pm	Seats (Total: 25) MTH 1308 MTH 1308	
0301	Sean Lawton MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 25) MTH 0302 MTH 0102	

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent. Credit will be granted for only one of the following: MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	Wojciech Czaja MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0409	 Discussion

0112	Wojciech Czaja MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0121	Wojciech Czaja MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0409	 Discussion
0122	Wojciech Czaja MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0131	Wojciech Czaja MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0131 HBK 0108	 Discussion
0132	Wojciech Czaja MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0409	 Discussion
0141	Wojciech Czaja MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0131 PHY 4208	 Discussion
0142	Wojciech Czaja MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0131 EGR 2154	 Discussion
0211	Raymond Johnson MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion
0221	Raymond Johnson MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion
0222	Raymond Johnson MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0423	 Discussion

0231	Raymond Johnson MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH 0306	 Discussion
0241	Raymond Johnson MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion
0251	Raymond Johnson MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion
0261	Raymond Johnson MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion
0311	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 ARM 0121	 Discussion
0312	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0304	 Discussion
0321	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 ARM 0103	 Discussion
0322	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0304	 Discussion
0331	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 24) ARM 0131 MTH 0307	 Discussion
0332	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH B0427	 Discussion

0341	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH 0307	Discussion
FC01	Justin Wyss-Gallifent MTuWTh 3:00pm - 3:50pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 30) MTH B0429	

MATH141H **Calculus II**

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent. Credit will be granted for only one of the following: MATH141 or MATH221. For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0101	Ke Zhang MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 32) MTH 0307 MTH 0307	
0201	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 30) MTH 0103 MTH 0103	

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0101	Matthew Pragel MWF 8:00am - 8:50am	Seats (Total: 26) MTH 0401	

0201	Matthew Pragel MWF 9:00am - 9:50am	Seats (Total: 26) MTH 1308
0301	Karen McLaren MWF 10:00am - 10:50am	Seats (Total: 26) MTH 1308
0401	Christopher Manon MWF 12:00pm - 12:50pm	Seats (Total: 26) MTH 1311
0501	Christopher Manon MWF 1:00pm - 1:50pm	Seats (Total: 26) MTH 1308

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.
Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Amy Alford MWF 8:00am - 8:50am	Seats (Total: 27) MTH B0425
0201	Amy Alford MWF 9:00am - 9:50am	Seats (Total: 27) MTH B0425

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.
Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0401	
0201	Joshua Himmelsbach MWF 10:00am - 10:50am	Seats (Total: 29) MTH 0401	

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH140 or MATH220. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	David Lay MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 33) ARM 0126 MTH 0201	 Discussion
0112	David Lay MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 33) ARM 0126 MTH 0305	 Discussion
0121	David Lay MWF 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 33) ARM 0126 MTH 0201	 Discussion
0122	David Lay MWF 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 33) ARM 0126 MTH 0305	 Discussion
0131	David Lay MWF 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 33) ARM 0126 MTH 0201	 Discussion

0132	David Lay MWF 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 33) ARM 0126 MTH 0305	Discussion
0141	David Lay MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 32) ARM 0126 ARM 0121	Discussion
0142	David Lay MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 33) ARM 0126 MTH 0305	Discussion
0211	Melissa Macasieb MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 33) ARM 0126 MTH 0305	Discussion
0212	Melissa Macasieb MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 33) ARM 0126 MTH 0106	Discussion
0213	Melissa Macasieb MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 EGR 2154	Discussion
0221	Melissa Macasieb MWF 12:00pm - 12:50pm Th 1:00pm - 1:50pm	Seats (Total: 33) ARM 0126 MTH 0305	Discussion
0222	Melissa Macasieb MWF 12:00pm - 12:50pm Th 1:00pm - 1:50pm	Seats (Total: 33) ARM 0126 MTH 0106	Discussion
0223	Melissa Macasieb MWF 12:00pm - 12:50pm Th 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 EGR 2154	Discussion
0231	Melissa Macasieb MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 33) ARM 0126 MTH 0305	Discussion

0232	Melissa Macasieb MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 33) ARM 0126 MTH 0106	Discussion
0241	Melissa Macasieb MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 33) ARM 0126 MTH 0305	Discussion
0242	Melissa Macasieb MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 33) ARM 0126 MTH 0106	Discussion
0311	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 33) ARM 0131 MTH 0305	Discussion
0312	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 33) ARM 0131 MTH 0201	Discussion
0313	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0101	Discussion
0321	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 33) ARM 0131 MTH 0305	Discussion
0322	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 33) ARM 0131 MTH 0201	Discussion
0323	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0101	Discussion
0331	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 33) ARM 0131 MTH 0305	Discussion

0332	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 32) ARM 0131 MTH B0427	Discussion
0341	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 33) ARM 0131 MTH 0305	Discussion
0342	Justin Wyss-Gallifent TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 32) ARM 0131 MTH B0427	Discussion
0411	Paul Wright TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0429	Discussion
0421	Paul Wright TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0431	Paul Wright TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0411	Discussion
0432	Paul Wright TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0441	Paul Wright TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 33) ARM 0131 MTH 0101	Discussion
0442	Paul Wright TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 33) ARM 0131 MTH 0306	Discussion
0451	Paul Wright TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH B0425	Discussion

0461	Paul Wright TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 29) ARM 0131 MTH 0302	Discussion
FC01	Melissa Macasieb MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 33) MTH 0106	
FC02	Darran Furnival MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 34) MTH 0303	

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 32) ARM 0131 MTH B0427	Discussion
0121	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 32) ARM 0131 MTH B0427	Discussion
0122	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 32) ARM 0131 MTH 1308	Discussion
0131	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 32) ARM 0131 MTH B0427	Discussion
0141	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 32) ARM 0131 MTH B0427	Discussion

0211	Lawrence Washington TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 32) ARM 0131 MTH 0305	Discussion
0221	Lawrence Washington TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 32) ARM 0131 MTH 0305	Discussion
0231	Lawrence Washington TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 32) ARM 0131 MTH 0305	Discussion
0232	Lawrence Washington TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 34) ARM 0131 ARM 0105	Discussion
0241	Lawrence Washington TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 32) ARM 0131 MTH 0305	Discussion
0242	Lawrence Washington TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 34) ARM 0131 ARM 0105	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Peter Wolfe MWF 9:00am - 9:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 MTH B0421	Discussion
0112	Peter Wolfe MWF 9:00am - 9:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 MTH B0423	Discussion

0121	Peter Wolfe MWF 9:00am - 9:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH B0421	Discussion
0122	Peter Wolfe MWF 9:00am - 9:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH B0423	Discussion
0131	Peter Wolfe MWF 9:00am - 9:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0141	Peter Wolfe MWF 9:00am - 9:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0126 MTH 0409	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Richard Wentworth MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 PHY 4220	Discussion
0112	Richard Wentworth MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 MTH 0303	Discussion
0121	Richard Wentworth MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 PHY 4220	Discussion
0122	Richard Wentworth MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 MTH 0403	Discussion

0131	Richard Wentworth MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0403	Discussion
0132	Richard Wentworth MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0304	Discussion
0141	Richard Wentworth MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0126 MTH B0421	Discussion
0142	Richard Wentworth MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0126 EGL 1202	Discussion
0211	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 MTH 0307	Discussion
0212	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 MTH 0101	Discussion
0221	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 MTH 0307	Discussion
0222	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 MTH 0304	Discussion
0231	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0307	Discussion
0232	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 1313	Discussion

0241	Dionisios Margetis MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0126 MTH 0307	Discussion
0311	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 32) CHM 1402 PHY 4220	Discussion
0312	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 32) CHM 1402 MTH B0423	Discussion
0321	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 32) CHM 1402 MTH B0423	Discussion
0322	Justin Wyss-Gallifent MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 32) CHM 1402 PHY 0405	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. For general honors students only.

0101	Peter Wolfe MW 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 32) MTH 0306 MTH 0304	
0201	Manoussos Grillakis MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 32) ARM 0105 MTH 0101	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 8:00am - 8:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion
0121	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 9:00am - 9:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion
0131	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion
0132	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 32) ARM 0135 MTH 0106	 Discussion
0141	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion
0142	Athanasios Tzavaras TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0106	 Discussion
0211	Charles Levermore TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion
0221	Charles Levermore TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 32) ARM 0135 MTH 0305	 Discussion

0231	Charles Levermore TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 32) ARM 0135 MTH 0101	Discussion
0232	Charles Levermore TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 32) ARM 0135 MTH 0303	Discussion
0241	Charles Levermore TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0305	Discussion
0242	Charles Levermore TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0303	Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341.

0101	Michael Jakobson TuTh 8:00am - 9:15am	Seats (Total: 25) MTH 0105	

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world.

0101	Edgar Lopez-Escobar MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0302	

MATH299A **Selected Topics in Mathematics**

MATH299A *(PermReq)* **Selected Topics in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH299B **Selected Topics in Mathematics; Putnam Express**

MATH299B Selected Topics in Mathematics: Putnam Express; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Hunt W 4:00pm - 5:30pm	Seats (Total: 20) MTH 0102

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG. *Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only.* To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Raymond Johnson MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0405

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

MATH340 *(PermReq)* **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH140; MATH141; and permission of department. Credit will be granted for only one of the following: MATH241 or MATH340. First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	Brian Hunt MWF 11:00am - 12:15pm	Seats (Total: 34) MTH 0103
0201	Joel Cohen TuTh 2:00pm - 3:45pm	Seats (Total: 35) MTH B0421

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Yong Zheng MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0303
0201	Harland Glaz TuTh 3:30pm - 4:45pm	Seats (Total: 30) MTH 0303

0301	Ricardo Nochetto TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH B0425

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Harry Tamvakis TuTh 3:30pm - 4:45pm	Seats (Total: 32) MTH 0105

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants. Click here from course information.

0101	Eitan Tadmor TuTh 2:00pm - 3:15pm	Seats (Total: 30) CSI 4122

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Joel Cohen TuTh 11:00am - 12:15pm	Seats (Total: 34) MTH 0103
0201	James Schafer TuTh 12:30pm - 1:45pm	Seats (Total: 34) MTH 0101

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Brian Hunt MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH 0307
0201	Kasso Okoudjou MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0423
0301	McBlaine Boyle TuTh 2:00pm - 3:15pm	Seats (Total: 45) ARM 0117

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	Matei Machedon TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0307

MATH414 **Differential Equations**

MATH414 Differential Equations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH410 and MATH240; or equivalent. Existence and uniqueness theorems for initial value problems. Linear theory: fundamental matrix solutions, variation of constants formula, Floquet theory for periodic linear systems. Asymptotic orbital and Lyapunov stability with phase plane diagrams. Boundary value theory and series solutions.

0101	Michael Jakobson TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 1313

MATH424 **Introduction to the Mathematics of Finance**

MATH424 *(PermReq)* **Introduction to the Mathematics of Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141; and either STAT400 or BMGT231 and permission of department. Recommended: MATH240, MATH241, or MATH246. Credit will be granted for only one of the following: BMGT444, MATH424 or MATH498F. Formerly MATH498F. Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Manoussos Grillakis	Seats (Total: 38)
	TuTh 9:30am - 10:45am	CSI 2107

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyerbolic geometry. Existence and properties of isometries.

0101	Sean Lawton	Seats (Total: 32)
	MWF 10:00am - 10:50am	MTH 0305

MATH431 **Geometry for Computer Graphics**

MATH431 Geometry for Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	William Goldman TuTh 9:30am - 10:45am	Seats (Total: 35) MTH 0103

MATH432 **Introduction to Topology**

MATH432 Introduction to Topology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 or equivalent. Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	Stuart Antman TuTh 9:30am - 10:45am	Seats (Total: 26) MTH B0425

MATH445 **Elementary Mathematical Logic**

MATH445 Elementary Mathematical Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH445 or MATH450/CMSC450. Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	David Kueker MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 1313

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Aravind Srinivasan TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 2117	

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Matei Machedon TuTh 9:30am - 10:45am M 8:00am - 9:15am	Seats (Total: 36) ARM 0135 MTH B0421	 Discussion
0121	Matei Machedon TuTh 9:30am - 10:45am M 10:00am - 11:15am	Seats (Total: 36) ARM 0135 MTH B0421	 Discussion
0131	Matei Machedon TuTh 9:30am - 10:45am M 12:00pm - 1:15pm	Seats (Total: 34) ARM 0135 MTH 0306	 Discussion
0141	Matei Machedon TuTh 9:30am - 10:45am M 2:00pm - 3:15pm	Seats (Total: 34) ARM 0135 MTH 0101	 Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Antoine Mellet TuTh 9:30am - 10:45am	Seats (Total: 30) MTH B0421

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0407
0201	Tatiana Yarmola TuTh 11:00am - 12:15pm	Seats (Total: 32) MTH 0105

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier series, Fourier and Laplace transforms. Evaluation of the complex inversion integral by the theory of residues. Applications to ordinary and partial differential equations of mathematical physics: solutions using transforms and separation of variables. Additional topics such as Bessel functions and calculus of variations.

0101	Dennis Healy TuTh 11:00am - 12:15pm	Seats (Total: 30) ARM 0119

MATH470 **Mathematics for Secondary Education**

MATH470 Mathematics for Secondary Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH140, MATH141, and one 400-level Math course. Not open to students who have completed MATH498E. Credit will be granted for only one of the following: MATH470 or MATH498E. Formerly MATH498E. An advanced perspective on some of the core mathematics underlying high school mathematics courses. Topics include number systems, functions of one variable, equations, inequalities, trigonometric functions, curve fitting, and polynomials. The course includes an analysis of alternate approaches to mathematical ideas and problems, and makes connections between ideas that may have been studied separately in different high school and college courses.

0101	Frances Gulick	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0307

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH480 **Algebra for Middle School Teachers**

MATH480 Algebra for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to middle school teachers. This course cannot be used toward the upper level math requirement for MATH and STAT majors. Prerequisite: MATH214 or equivalent. Not open to students who have completed MATH498C. Credit will be granted for only one of the following: MATH480, MATH483, or MATH498C. Formerly MATH498C. Prepares teachers with elementary certification to teach Algebra 1 in middle school. Focuses on basic algebra concepts and related theoretical ideas.

IHP1	Karen McLaren	Seats (Total: 25)
	W 5:15pm - 8:15pm	Location: TBA

MATH481 **Statistics and Data Analysis for Middle School Teachers**

MATH481 *(PermReq)* **Statistics and Data Analysis for Middle School Teachers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH214 or equivalent. Course for middle school teachers. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Not open to students who have completed MATH498B. Credit will be granted for only one of the following: MATH481, MATH498B, or MATH485. Formerly MATH498B.
Prepares teachers with elementary certification to teach simple data analysis and probability in middle school. Focuses on understanding basic statistics, data analysis, and related theoretical ideas.

IHP1	Casey Cremins	Seats (Total: 25)
	W 5:00pm - 8:00pm	SGII 2032
	UMCP/MCPS Partnership Program in Middle School Mathematics Offerings, S ady Grove Campus, Departmental Approval Required.	

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498 **Selected Topics in Mathematics**

MATH498 Selected Topics in Mathematics; (1-9 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH600 **Abstract Algebra I**

MATH600 Abstract Algebra I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 403 and MATH405; or equivalent. Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra. Offered fall only.

0101	Kartik Prasanna	Seats (Total: 40)
	MWF 10:00am - 10:50am	MTH 0403

MATH602 **Homological Algebra**

MATH602 Homological Algebra; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 600. Projective and injective modules, homological dimensions, derived functors, spectral sequence of a composite functor. Applications.

0101	James Schafer	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0411

MATH606 **Algebraic Geometry I**

MATH606 Algebraic Geometry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 600 and MATH 601. Prime and primary ideals in Noetherian rings, Hilbert Nullstellensatz, places and valuations, prevarieties (in the sense of Serre), dimension, morphisms, singularities, varieties, schemes, rationality.

0101	Harry Tamvakis	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 1311

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608V **Selected Topics in Algebra; Abelian Varieties**

MATH608V Selected Topics in Algebra: Abelian Varieties; (3 credits) Grade Method: REG/AUD.

0101	Niranjan Ramachandran MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 1308

MATH630 **Real Analysis I**

MATH630 Real Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 411 or equivalent. Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	C Warner MWF 12:00pm - 12:50pm	Seats (Total: 36) MTH BO421

MATH632 **Functional Analysis**

MATH632 Functional Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 631. Introduction to functional analysis and operator theory: normed linear spaces, basic principles of functional analysis, bounded linear operators on Hilbert spaces, spectral theory of selfadjoint operators, applications to differential and integral equations, additional topics as time permits.

0101	Patrick Fitzpatrick TuTh 11:00am - 12:15pm	Seats (Total: 30) CHM 0128

MATH642 **Dynamical Systems I**

MATH642 Dynamical Systems I; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 432; and MATH 630 or equivalent. Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions. Offered fall only.

0101	Michael Brin MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0427

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648K **Selected Topics in Analysis; Instabilities for the 3 body problem**

MATH648K Selected Topics in Analysis: Instabilities for the 3 body problem; (1-3 credits) Grade Method: REG/AUD.

0101	Vadim Kaloshin TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMP 1109

MATH648W **Selected Topics in Analysis; Wavelet Theory and Waveform Design**

MATH648W Selected Topics in Analysis: Wavelet Theory and Waveform Design; (3 credits) Grade Method: REG/AUD.
Also offered as MAIT679W. Credit will be granted for only one of the following: MATH648W or MAIT679W.

0101	John Benedetto Tu 6:00pm - 8:45pm	Seats (Total: 30) MTH 3206

MATH660 **Complex Analysis I**

MATH660 Complex Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 410 or equivalent. Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Giovanni Forni MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0407

MATH670 **Ordinary Differential Equations I**

MATH670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH 405; and MATH 410 or the equivalent. Also offered as AMSC 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 OR MATH 670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only.

0101	Dmitry Dolgopyat	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH B0423

MATH673 **Partial Differential Equations I**

MATH673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as AMSC 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only.

0101	Athanasios Tzavaras	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 1311

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

MATH695 Teaching Seminar; (1 credit) Grade Method: REG.
For MATH majors only. A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Frances Gulick MW 4:00pm - 5:15pm	Seats (Total: 35) MTH B0421

MATH712 **Mathematical Logic I**

MATH712 Mathematical Logic I; (3 credits) Grade Method: REG/AUD. Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis. Offered fall only.

0101	John Goodrick MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0103

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH718L **Selected Topics in Mathematical Logic; Model Theory**

MATH718L Selected Topics in Mathematical Logic: Model Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Laskowski MWF 11:00am - 11:50am	Seats (Total: 20) MTH 0401

MATH730 **Fundamental Concepts of Topology**

MATH730 Fundamental Concepts of Topology; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 410, and MATH 411, and MATH 403; or equivalent. Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.

0101	Sergei Novikov MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH B0431

MATH744 **Lie Groups I**

MATH744 Lie Groups I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 403, MATH 405, MATH 411 and MATH 432; or equivalent. An introduction to the fundamentals of Lie groups, including some material on groups of matrices and Lie algebras.

0101	Jeffrey Adams MWF 1:00pm - 1:50pm	Seats (Total: 17) MTH B0425

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH748E **Selected Topics in Geometry and Topology; Differential Geometry**

MATH748E Selected Topics in Geometry and Topology: Differential Geometry; (3 credits) Grade Method: REG/AUD.

0101	William Goldman TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH B0429

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Fall 2008

MEES607 **Quantitative Methods in Environmental Sciences**

MEES607 Quantitative Methods in Environmental Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220 and MATH221 or equivalent calculus. Credit will be granted for only one of the following: MEES 607 or MEES 698G. Formerly MEES698G.
Mathematical approaches and solutions (both analytical and numerical) that cut across environmental disciplines, and will introduce analytical techniques. Course is taught on the Interactive Video Network.

0101	Thomas Miller, Lawrence Sanford	Seats (Total: 20)	
	TuTh 2:00pm - 3:30pm	COL 0105	
	F 9:00am - 10:00am	COL 0105	Discussion

MEES608A **Seminar in Marine-Estuarine-Environmental Sciences; Animal Models in Environmental Research**

MEES608A Seminar in Marine-Estuarine-Environmental Sciences: Animal Models in Environmental Research; (1 credit) Grade Method: REG/AUD.
This course is taught at the Center of Marine Biotechnology, Baltimore, MD.

0101	Shao Du	Seats (Total: 10)
	Contact instructor or department for details.	

MEES608B **Seminar in Marine-Estuarine-Environmental Sciences; The Arctic Ocean: A Sentinel and Agent of Global Climate**

MEES608B Seminar in Marine-Estuarine-Environmental Sciences: The Arctic Ocean: A Sentinel and Agent of Global Climate; (1 credit) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory, Cambridge, MD.

0101	Louis Codispoti	Seats (Total: 15)
	Contact instructor or department for details.	

MEES608C **Seminar in Marine-Estuarine-Environmental Sciences; Ecosystems Complexity**

MEES608C Seminar in Marine-Estuarine-Environmental Sciences: Ecosystems Complexity; (1 credit) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Inte ractive Video Network.

0101	Lora Harris	Seats (Total: 15)
	F 2:00pm - 3:00pm	COL 0105

MEES608D **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

MEES608D *(PermReq)* **Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Communication; (1 credit)** Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Victor Kennedy	Seats (Total: 15)
	F 10:00am - 12:00pm	COL 0105

MEES608E **Seminar in Marine-Estuarine-Environmental Sciences; Operational Marine Ecology: Closing the Gap Between Science and Management**

MEES608E Seminar in Marine-Estuarine-Environmental Sciences: Operational Marine Ecology: Closing the Gap Between Science and Management; (2 credits) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Vid eo Network.

0101	Thomas Malone	Seats (Total: 15)
	TuTh 8:30am - 9:30am	COL 0105

MEES608F **Seminar in Marine-Estuarine-Environmental Sciences; Diseases in the Chesapeake Bay**

MEES608F Seminar in Marine-Estuarine-Environmental Sciences: Diseases in the Chesapeake Bay; (2 credits) Grade Method: REG/AUD.
Prerequisite: MEES698C or permission of instructor.

0101	Eric Schott	Seats (Total: 15)
	F 12:00pm - 2:00pm	COL 0105
	Section is taught at the Center of Marine Biotechnology and on the Interactive Video Network.	

MEES608G **Seminar in Marine-Estuarine-Environmental Sciences; Microbial and Environmental Genomics**

MEES608G Seminar in Marine-Estuarine-Environmental Sciences: Microbial and Environmental Genomics; (2 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Interactive Video Network.

0101	Feng Chen, Russell Hill	Seats (Total: 10)
	Th 3:30pm - 5:30pm	COL 0105

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Development, Ecology, Economics, Ethics**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Development, Ecology, Economics, Ethics; (1 credit) Grade Method: REG/AUD.

0101	Matthias Ruth	Seats (Total: 15)
	F 12:00pm - 1:30pm	VMH 1113

MEES608P **Seminar in Marine-Estuarine-Environmental Sciences; Topics in Aquatic Plant Physiology**

MEES608P Seminar in Marine-Estuarine-Environmental Sciences: Topics in Aquatic Plant Physiology; (1 credit) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory, Cambridge, MD

0101	Todd Kana, Evamaria Koch	Seats (Total: 12)
	Contact instructor or department for details.	

MEES608T **Seminar in Marine-Estuarine-Environmental Sciences; Ectoxicology**

MEES608T Seminar in Marine-Estuarine-Environmental Sciences: Ectoxicology; (1 credit) Grade Method: REG/AUD.
Couse is taught at the Chesapeake Biological Laboratory, Solomons, MD.

0101	Carys Mitchelmore	Seats (Total: 15)
	Th 11:00am - 12:00pm	Location: TBA

MEES608Y **Seminar in Marine-Estuarine-Environmental Sciences; Spatial Analysis in R**

MEES608Y Seminar in Marine-Estuarine-Environmental Sciences: Spatial Analysis in R; (1 credit) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory, Frostburg, MD.

0101	Andrew Elmore	Seats (Total: 10)
	Contact instructor or department for details.	

MEES610 **Land Margin Interactions**

MEES610 Land Margin Interactions; (4 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: MEES610 or MEES698I. Formerly MEES698I. Broad overview of the components and biogeochemistry of the coastal zone(atmosphere, land, streams, wetlands, estuaries) and the time and space scales on which interactions occur between components. Includes 4 h of classes per week with readings from the literature, field trips, a term paper, and a forum. Course is taught on the Interactive Video Network. Course is taught on the Interactive Video Network.

0101	Thomas Fisher	Seats (Total: 15)
	TuTh 10:00am - 12:00pm	COL 0105

MEES614 **Landscape Ecology**

MEES614 Landscape Ecology; (4 credits) Grade Method: REG.
Prerequisite: permission of instructor. Landscape ecology emphasizes spatial patterning--its causes, development, and importance for ecological processes. Students will become familiar with concepts, methods, and applications of landscape ecology through reading classic and contemporary literature representative of state-of-the-art research; class lectures; completion of two projects designed to provide "hands on" experience with some of the quantitative methods and tools; and completion of one independent project. Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Todd Lookingbill, Robert Gardner	Seats (Total: 16)
	MW 10:00am - 12:00pm	COL 0105

MEES621 **Biological Oceanography**

MEES621 Biological Oceanography; (4 credits) Grade Method: REG/AUD.
Population and community ecology of estuarine and marine systems; coastal and estuarine processes are emphasized in the context of oceans in general. Field and lab trips required. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Raleigh Hood	Seats (Total: 25)
	TuTh 12:00pm - 2:00pm	COL 0105

MEES626 **Environmental Geochemistry I**

MEES626 Environmental Geochemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Recommended: physical chemistry. Credit will be granted for only one of the following: MEES 626 or MEES 698L. Formerly MEES698L. Brief overview of biogeochemical cycles; fundamental aquatic chemistry that can be applied to a variety of environmental systems. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Johan Schijf	Seats (Total: 20)
	MW 8:30am - 10:00am	COL 0105

MEES650 **Wetland Ecology**

MEES650 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301 or permission of department. Also offered as ENST450. Credit will be granted for only one of the following: ENST450, NRMT450, or MEES650. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 0422	
	Th 2:00pm - 5:50pm	ANS 0538	Lab

MEES682 **Fishery Science and Management**

MEES682 Fishery Science and Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Aquatic production and fisheries yields. Introduction to fish population dynamics and assessment methods. Effects of fishing on resource potential yields. Causes of fluctuations in resource abundance. An emphasis on the relationship between science and management. Course is taught at the Chesapeake Biological Laboratory and on the Inte ractive Video Network.

0101	David Secor	Seats (Total: 25)	
	MW 3:00pm - 4:30pm	COL 0105	

MEES698C **Special Topics in Marine-Estuarine-Environmental Sciences; Cell and Molecular Biology: A Mechanics View**

MEES698C Special Topics in Marine-Estuarine-Environmental Sciences: Cell and Molecular Biology: A Mechanics View; (3 credits) Grade Method: REG/AUD. Course is taught at the Center of Marine Biotechnology, Baltimire and on the interactive video network.

0101	Allen Place	Seats (Total: 20)	
	TuTh 8:00am - 9:30am	COL 0105	

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.

0101	Sujay Kaushal	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	COL 0100

MEES698G **Special Topics in Marine-Estuarine-Environmental Sciences; Marine Geology**

MEES698G Special Topics in Marine-Estuarine-Environmental Sciences: Marine Geology; (3 credits) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Cynthia Palinkas	Seats (Total: 12)
	MW 1:30pm - 3:00pm	COL 0105

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Fall 2008

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Betty Dabney	Seats (Total: 30)
	M 4:00pm - 6:45pm	SPH 1301

MIEH740 **Environmental Health Risk Assessment**

MIEH740 Environmental Health Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0101	Amir Sapkota	Seats (Total: 20)
	M 4:00pm - 6:45pm	SPH 0301

MIEH773 **Biological Contaminants in the Environment**

MIEH773 Biological Contaminants in the Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. In-depth study of biological contaminants in the environment and their impacts on human health. Sources, dissemination and detection of biological contaminants, and their transmission to humans via food, water, air and other environmental media. Methods of disease prevention, including approaches to ensuring safe food and drinking water supplies.

0101	Amy Sapkota W 12:00pm - 2:45pm	Seats (Total: 10) SPH 0308

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 *(PermReq)* **Critical Readings in Environmental Health; (1-3 credits)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

0201	Betty Dabney	Seats (Total: 5)
	Contact instructor or department for details.	
0202	Amir Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	
0203	Amy Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.

0101	Amy Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	

MOCB Molecular and Cell Biology Fall 2008

MOCB608 **Molecular and Cell Biology Seminar**

MOCB608 *(PermReq)* **Molecular and Cell Biology Seminar; (1 credit)** Grade Method: REG.

0101	Jonathan Dinman	Seats (Total: 12)
	Contact instructor or department for details.	

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Fall 2008

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Leigh Berkley MWF 1:00pm - 1:50pm	Seats (Total: 25) PAC 2168
0201	Jane Sitarz TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0301	Karen Koner TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 3160

MUED186 **Pre-professional Experiences I**

MUED186 *(PermReq)* **Pre-professional Experiences I; (2 credits)** Grade Method: REG/P-F/AUD.
For MUED majors only. Not open to students who have completed MUED197. Credit will be granted for only one of the following: MUED197 or MUED186. Formerly MUED197. An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession. Fulfills the College of Arts and Humanities requirement for UNIV101.

0101	Melissa Mills M 1:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 30) PAC 2130A PAC 2130A	 Lab

MUED213 **String Technique and Pedagogy I**

MUED213 *(PermReq)* **String Technique and Pedagogy I; (2 credits)** Grade Method: REG/P-F/AUD.
Open only to majors in music education. For MUED majors only. Not open to students who have completed MUED113. Credit will be granted for only one of the following: MUED113 or MUED213. Formerly MUED113. A study of violin, viola, cello and bass technique and pedagogy; beginning level. Emphasizes group process playing and teaching.

0101	Bruce Carter	Seats (Total: 15)
	MWF 9:00am - 9:50am	PAC 2540

MUED215 **Woodwind Technique and Pedagogy**

MUED215 Woodwind Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly: MUED116 and MUED117. Not open to students who have completed MUED116 and MUED117. Credit will be granted for only one of the following: MUED116, MUED117 or MUED215. Playing experience on instruments of the woodwind family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Edward Walters	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 2540

MUED320 **Foundations of Secondary Instrumental Instruction**

MUED320 Foundations of Secondary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED311. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Bruce Carter	Seats (Total: 12)
	TuTh 8:00am - 9:50am	PAC 1230

MUED420 **Advanced Methods in Secondary Instrumental Music Instruction**

MUED420 *(PermReq)* **Advanced Methods in Secondary Instrumental Music Instruction; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Michael Hewitt Tu 9:00am - 12:00pm	Seats (Total: 20) PAC 2540

MUED471 **Elementary General Music Methods**

MUED471 *(PermReq)* **Elementary General Music Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisites: MUED222 and MUED333. Corequisite: MUED489. For MUED majors only. A study of music curriculum, materials and teaching techniques for the development of sequential experiences which contribute to children's musical growth in the elementary schools.

0101	Janet Montgomery Tu 9:00am - 12:00pm	Seats (Total: 15) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 *(PermReq)* **Field Experiences: Pre-Student Teaching; (1 credit)** Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Michael Hewitt M 7:30pm - 8:30pm	Seats (Total: 5) Location: TBA
0201	Bruce Carter M 7:30pm - 8:30pm	Seats (Total: 5) Location: TBA
0301	Melissa Mills, Michael Hewitt, Janet Montgomery M 7:30pm - 8:30pm	Seats (Total: 5) Location: TBA

0401	Janet Montgomery M 7:30pm - 8:30pm	Seats (Total: 5) Location: TBA	

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)	
0201	Bruce Carter Contact instructor or department for details.	Seats (Total: 5)	
0301	Melissa Mills Contact instructor or department for details.	Seats (Total: 5)	
0401	Janet Montgomery Contact instructor or department for details.	Seats (Total: 5)	

MUED489G **Field Experiences; Field Experiences-General**

MUED489G *(PermReq)* **Field Experiences: Field Experiences-General; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janet Montgomery Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A	

MUED489I **Field Experiences; Field Experiences-Instrumental**

MUED489I *(PermReq)* **Field Experiences: Field Experiences-Instrumental; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Michael Hewitt Th 9:00am - 12:00pm	Seats (Total: 20) PAC 2540	Lab

MUED489S **Field Experiences**

MUED489S *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Melissa Mills W 4:30pm - 6:30pm	Seats (Total: 20) PAC 2130A

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0201	Bruce Carter Contact instructor or department for details.	Seats (Total: 5)
0301	Melissa Mills Contact instructor or department for details.	Seats (Total: 5)
0401	Janet Montgomery Contact instructor or department for details.	Seats (Total: 5)

MUED690 **Research Methods in Music and Music Education**

MUED690 *(PermReq)* **Research Methods in Music and Music Education; (3 credits)** Grade Method: REG/AUD.
The application of methods of research to problems in the fields of music and music education. The preparation of bibliographies and the written exposition of research projects in the area of the student's major interest.

0101	Michael Hewitt Tu 5:00pm - 7:30pm	Seats (Total: 15) PAC 2130A

MUED698A **Current Trends in Music Education; Contemporary Issues**

MUED698A Current Trends in Music Education: Contemporary Issues; (3 credits) Grade Method: REG/AUD.

0101	Janet Montgomery M 6:30pm - 9:05pm	Seats (Total: 15) PAC 2130A	

MUET Ethnomusicology Fall 2008

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change. Formerly: MUSC 248C.

0101	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0102	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion
0105	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	 Discussion

0106	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0110	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0111	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0112	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Eliot Bates MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

0102	Eliot Bates MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Eliot Bates MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0104	Eliot Bates MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0105	Eliot Bates MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0106	Eliot Bates MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Eliot Bates MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0108	Eliot Bates MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0109	Eliot Bates MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East. Formerly: MUSC 248A.

0101	Robert Provine MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0102	Robert Provine MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0103	Robert Provine MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0104	Robert Provine MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0105	Robert Provine MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0106	Robert Provine MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
FC01	Cheryl Tobler MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) KEY 0124	

MUET650 **The Anthropology of Music**

MUET650 The Anthropology of Music; (3 credits) Grade Method: REG. *Prerequisite: MUET 420 or equivalent; or permission of instructor.* An exploration of theories and methods in anthropology that have influenced the cross-cultural study of music, dance, theater and ritual performance.

0101	Eliot Bates Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A	

MUET660 **Field Methods in Ethnomusicology I**

MUET660 Field Methods in Ethnomusicology I; (3 credits) Grade Method: REG. Introduction to a wide variety of methods and strategies for surveying, interviewing, and observing the dynamics of performance in contrasting settings. This is the first of three semesters of field methods.

0101	Eliot Bates	Seats (Total: 12)
	M 3:30pm - 6:05pm	PAC 3110A

MUET675 **Historical Theory and Method in Ethnomusicology**

MUET675 *(PermReq)* **Historical Theory and Method in Ethnomusicology; (3 credits)** Grade Method: REG.
Prerequisite: MUET 420 or equivalent. Reading and discussion of major works in ethnomusicology, with emphasis on schools of thought, convergence with and divergence from musicology and systematic musicology; close examination of trends in methodology and theory from the mid eighteenth century until approximately twenty years before the present.

0101	Robert Provine	Seats (Total: 12)
	W 3:30pm - 6:00pm	PAC 3110A

MUET679P **Seminar in Ethnomusicology; Popular Music**

MUET679P Seminar in Ethnomusicology: Popular Music; (3 credits) Grade Method: REG.

0101	John Witzleben	Seats (Total: 12)
	Th 3:30pm - 6:00pm	PAC 3110A

MUSC School of Music Fall 2008

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	Frank Latino	Seats (Total: 150)
	Contact instructor or department for details.	

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Peter Burroughs MW 10:00am - 10:50am	Seats (Total: 15) PAC 2170
0102	Rebecca Echols MW 1:00pm - 1:50pm	Seats (Total: 15) PAC 2170
0301	Emily Riggs MW 2:00pm - 2:50pm	Seats (Total: 15) PAC 2170

MUSC102 **Class Piano**

MUSC102 *(PermReq)* **Class Piano; (2 credits)** Grade Method: REG/P-F.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear. For MUSC majors only.

0101	Shelby Sender TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123
0201	Ja-Hye Koo MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0401	Benjamin Harding MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required. For students with no previous musical experience.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC123 **Movement for Singers**

MUSC123 *(PermReq)* **Movement for Singers; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.

0101	Carmen Balthrop W 5:30pm - 7:00pm	Seats (Total: 15) PAC 2201

MUSC127 **Vocal Diction: Italian**

MUSC127 Vocal Diction: Italian and Spanish; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of Italian and Spanish vocal literature.

0101	Diba Alvi TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG.
For Bachelor of Music piano majors only.

0101	Ja-Hye Koo MW 10:00am - 10:50am	Seats (Total: 5) PAC 2201

MUSC129A **Ensemble; Chamber Music - Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Music - Strings; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Music - Brasses; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab
	MTuWThF 8:00am - 8:50am	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Amadou Kouyate	Seats (Total: 12)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequiste: MUSC129D.

0101	Mahiri Edwards	Seats (Total: 12)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 15)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Rebecca Smith	Seats (Total: 6)
	TuTh 11:00am - 12:15pm	PAC 1130A

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG/P-F. By Permission of Instructor.

0101	Dora Hanninen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Chamber Music - Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Chamber Music - Flute Choir; (1 credit)** Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Edward Walters	Seats (Total: 15)	
	W 6:30pm - 8:30pm	PAC 2126	Lab

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Dale Underwood	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG/P-F/AUD.

0101	John Huling	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Paul Kellner	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC129X **Ensemble; Chamber Music Connection**

MUSC129X *(PermReq)* **Ensemble: Chamber Music Connection; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Richard Williams	Seats (Total: 14)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Ann DiClemente	Seats (Total: 18)	
	MW 9:00am - 9:50am F 9:00am - 9:50am	PAC 2200 PAC 2164	Lab
0102	Ann DiClemente	Seats (Total: 30)	
	MW 9:00am - 9:50am F 10:00am - 10:50am	PAC 2200 PAC 2164	Lab
0103	Ann DiClemente	Seats (Total: 30)	
	MW 9:00am - 9:50am F 11:00am - 11:50am	PAC 2200 PAC 2164	Lab

0201	Ann DiClemente MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Lab
0202	Ann DiClemente MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Lab
0301	Ann DiClemente MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab
0302	Ann DiClemente MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab
0303	Ann DiClemente MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. For general honors students only.

0203	Ann DiClemente MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) PAC 2200 PAC 2200	 Discussion

MUSC130S **Survey of Music Literature**

MUSC130S Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. Restricted to College Park Scholars - Arts.

0101	Ann DiClemente MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 12) PAC 2200 PAC 2164	 Lab

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Patricia Burt MWF 11:00am - 11:50am	Seats (Total: 20) PAC 2168	
0201	Patricia Burt MWF 12:00pm - 12:50pm	Seats (Total: 20) PAC 2168	
FC01	Elisabeth Greene MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 15) PAC 3160	

MUSC150 **Theory of Music I**

MUSC150 *(PermReq)* **Theory of Music I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: departmental audition and entrance examination. For MUSC majors only. A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 8) PAC 2168 PAC 3160	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 3160	 Lab

0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0301	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0302	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab

MUSC202 **Intermediate Class Piano I**

MUSC202 *(PermReq)* **Intermediate Class Piano I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC103 or equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano. Only for voice and instrumental principals with limited piano experience.

0101	Christiana Iheadindu MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Kate Weber-Petrova MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Kate Weber-Petrova MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion

0103	Kate Weber-Petrova MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Kate Weber-Petrova MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0105	Kate Weber-Petrova MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0106	Kate Weber-Petrova MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0107	Kate Weber-Petrova MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0108	Kate Weber-Petrova MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Kate Weber-Petrova MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion

MUSC227 **Vocal Diction: German**

MUSC227 Vocal Diction: German; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. For MUSC majors only.* Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Joy Stevans TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3168

MUSC228 **Introduction to Accompanying for Pianists**

MUSC228 Introduction to Accompanying for Pianists; (2 credits) Grade Method: REG/P-F/AUD.

0101	Robert McReynolds	Seats (Total: 5)	
	Tu 4:00pm - 5:40pm	PAC 2126	

MUSC229A **Ensemble; Orchestra**

MUSC229A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG. Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Symphnic Band**

MUSC229E Ensemble: Symphnic Band; (1 credit) Grade Method: REG. Open by audition, contact instructor to make arrangements.

0101	Lowell Sparks	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229F **Ensemble; Marching Band**

MUSC229F Ensemble: Marching Band; (1 credit) Grade Method: REG. Open by audition.

0101	Lowell Sparks	Seats (Total: 300)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG. Corequisite: MUSC 229F.

0101	Lowell Sparks Tu 7:00pm - 9:00pm	Seats (Total: 300) PAC 2540	 Lab

MUSC229I **Ensemble; Marching Band Auxiliary**

MUSC229I Ensemble: Marching Band Auxiliary; (1 credit) Grade Method: REG. Corequisite: MUSC 229F.

0101	Lowell Sparks TuTh 6:30pm - 8:30pm	Seats (Total: 50) PAC 2540	 Lab

MUSC229J **Ensemble; Jazz Ensemble**

MUSC229J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG/P-F.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:20pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 30) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P *(PermReq)* **Ensemble: Pep Band; (1 credit)** Grade Method: REG/P-F. Permission of Instructor.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 60)	

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG/P-F.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 30)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 100)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG/P-F.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 10)	
	Tu 11:30am - 1:00pm	PAC 1208	Lab
0201	Thomas Baldwin	Seats (Total: 10)	
	Tu 2:30pm - 4:00pm	PAC 1208	Lab
0301	Timothy Powell	Seats (Total: 10)	
	W 7:30pm - 9:00pm	PAC 1208	Lab
0401	Cynthia Elliott	Seats (Total: 10)	
	Tu 5:00pm - 6:30pm	PAC 1208	Lab

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250 or equivalent; and permission of department. A historical study of western music from Corelli through Beethoven.

0101	Paul Covey MWF 2:00pm - 2:50pm	Seats (Total: 25) PAC 2200	

MUSC250 **Advanced Theory of Music I**

MUSC250 *(PermReq)* **Advanced Theory of Music I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC151 with a minimum grade of C. A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Dora Hanninen TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 2160	 Lab
0102	Dora Hanninen TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab
0201	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2164	 Lab
0202	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2160	 Lab
0301	Dora Hanninen TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 3164	 Lab
0302	Dora Hanninen TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3164 PAC 3164	 Lab

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 75)	
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab
	MW 3:00pm - 3:50pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC329D **Ensemble; The Maryland Chorus**

MUSC329D Ensemble: The Maryland Chorus; (1 credit) Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 40)	
	Tu 7:30pm - 10:00pm	PAC 2201	Lab
	TBA	PAC 2201	Lab

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 30)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC329O **Ensemble; Ensemble: Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Ensemble: Opera Chorus; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Edward Maclary	Seats (Total: 25)	
	F 4:00pm - 6:00pm	PAC 2170	

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Timothy Reno	Seats (Total: 60)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC330 **History of Music II**

MUSC330 *(PermReq)* **History of Music II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from the Romantic era to the present.

0101	Olga Haldey	Seats (Total: 25)	
	MWF 2:00pm - 2:50pm	PAC 3160	

MUSC331 **History of Music III**

MUSC331 History of Music III; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC230, MUSC330, and permission of department.* A historical study of western music from Antiquity through the Baroque, ending with a review of all periods of music history.

0101	Richard Wexler	Seats (Total: 25)	
	MWF 2:00pm - 2:50pm	PAC 2168	

MUSC345 **Jazz Theory and Improvisation I**

MUSC345 *(PermReq)* **Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC251 or permission of department. Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Cynthia Elliott	Seats (Total: 8)	
	M 7:15pm - 9:50pm	PAC 1208	

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond	Seats (Total: 15)	
	MW 4:00pm - 6:00pm	PAC 2170	Lab

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 Music Internship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Edward Maclary	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC389 **Music Internship Analysis**

MUSC389 Music Internship Analysis; (1 credit) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC400S **Music Pedagogy**

MUSC400S Music Pedagogy; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: MUSP419 or a more advanced course in applied music; and permission of department. MUSC400S is intended for undergraduate string performance majors; MM students should register for MUSC660, and DMA students for MUSC800S.

0101	Gerald Fischbach	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PAC 1230

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 *(PermReq)* **Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG.

0101	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC443 **Solo Vocal Literature**

MUSC443 *(PermReq)* **Solo Vocal Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330, MUSC331 or equivalent. The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Melissa Schiel	Seats (Total: 10)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448A **Selected Topics in Music; Marching Band Techniques**

MUSC448A *(PermReq)* **Selected Topics in Music: Marching Band Techniques; (2 credits)** Grade Method: REG.
Concurrent enrollment in MUSC 229F and MUSC 229G required.

0101	Lowell Sparks	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit) Grade Method: REG/P-F/AUD.
Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448C **Selected Topics in Music; Chamber Music Literature**

MUSC448C Selected Topics in Music: Chamber Music Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MUSC699C.

0101	Shelley Davis Th 7:00pm - 9:30pm	Seats (Total: 15) PAC 3110A

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)
Grade Method: REG/P-F/AUD.
This course is for graduate vocal majors only.

0101	Ilya Sinaisky Contact instructor or department for details.	Seats (Total: 10)

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W Selected Topics in Music: Instrumental Pedagogy; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 2164

MUSC455 **Theory of Jazz**

MUSC455 Theory of Jazz; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250 or permission of department. For MUSC majors only. An aural-theoretical examination of melodic and harmonic function in jazz with emphasis on bebop. "Layered" harmonic analysis combined with melodic analysis of solo transcriptions applied to the creation of small group arrangements of "standard" tunes.

0101	Leigh Pilzer MW 3:00pm - 4:15pm	Seats (Total: 12) PAC 3160

MUSC460 **Tonal Counterpoint I**

MUSC460 Tonal Counterpoint I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251 or permission of department.* A course in Eighteenth-Century contrapuntal techniques, analysis and original composition of two-voice dances, preludes, and inventions. Includes an introduction to the study of fugue and canon.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2164

MUSC463 **Applications in Music Technology**

MUSC463 *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.
A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Robert Collier	Seats (Total: 15)
	Th 1:00pm - 3:30pm	PAC 1108

MUSC467 **Piano Pedagogy I**

MUSC467 Piano Pedagogy I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Cleveland Page	Seats (Total: 10)
	MW 11:00am - 12:15pm	PAC 2170

MUSC471 **Contemporary Compositional Techniques**

MUSC471 Contemporary Compositional Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC470 and permission of department. Continuation of MUSC470, with emphasis on the analysis of individual works written since 1945.

0101	Thomas DeLio M 2:00pm - 4:40pm	Seats (Total: 15) PAC 2164

MUSC483 **Music in the Classic Era**

MUSC483 Music in the Classic Era; (3 credits) Grade Method: REG/P-F/AUD. Survey of western music from 1750 to 1820.

0101	Shelley Davis M 7:00pm - 9:35pm	Seats (Total: 15) PAC 3110A

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0201	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 11) PAC 2201
0301	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 11) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

MUSC550 Theory of Music Graduate Review; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department; Course is non-applicable toward a graduate degree. Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	James Fry	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC601 **Advanced English Lyric Diction**

MUSC601 Advanced English Lyric Diction; (1 credit) Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Linda Mabbs	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Gran Wilson	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC605 **Opera Repertory I**

MUSC605 *(PermReq)* **Opera Repertory I; (1 credit)** Grade Method: REG/AUD. *Prerequisite: MUSC 602 or permission of instructor. For MUSC majors only.* Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Dominic Cossa	Seats (Total: 10)	
	Th 10:30am - 12:00pm	PAC 1218	

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC611 **Opera Techniques I**

MUSC611 Opera Techniques I; (2 credits) Grade Method: REG/AUD. *Prerequisite: permission of director of opera. Corequisite: MUSC 601. For MUSC majors only.* Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC613 **Opera Techniques III**

MUSC613 *(PermReq)* **Opera Techniques III; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 612 with a grade of B or better and permission of Director of Opera. Corequisites: MUSC 603 and MUSC 605. For MUSC majors only.* Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Orchestra**

MUSC629A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B *(PermReq)* **Ensemble: University of Maryland Brass Ensemble; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Symphonic Band**

MUSC629C Ensemble: Symphonic Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Amadou Kouyate	Seats (Total: 4)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: MUSC629D.

0101	Mahiri Edwards	Seats (Total: 4)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC629F **Ensemble; Ensemble: Marching Band**

MUSC629F Ensemble: Ensemble: Marching Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 175)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I Ensemble: New Music Ensemble; (1 credit) Grade Method: REG.
By permission of instructor.

0101	Dora Hanninen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 20)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 10)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 10)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Music - Flute Choir**

MUSC629M Ensemble: Chamber Music - Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)
	Contact instructor or department for details.	

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 5)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone**

MUSC629S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Dale Underwood	Seats (Total: 5)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone**

MUSC629T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	John Huling	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 10)	
	Tu 11:30am - 1:00pm	PAC 1208	Lab
0201	Thomas Baldwin	Seats (Total: 10)	
	Tu 2:30pm - 4:00pm	PAC 1208	Lab

0301	Timothy Powell W 7:30pm - 9:00pm	Seats (Total: 10) PAC 1208	Lab
0401	Cynthia Elliott Tu 5:00pm - 7:30pm	Seats (Total: 10) PAC 1208	Lab

MUSC639B **Seminar in Music; Beethoven**

MUSC639B Seminar in Music: Beethoven; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A

MUSC643 **Seminar in Solo Vocal Literature I**

MUSC643 Seminar in Solo Vocal Literature I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 444 or equivalent. An intensive study of solo vocal literature from its origin to the present.

0101	Robert McReynolds, Delores Ziegler W 3:00pm - 5:30pm	Seats (Total: 20) PAC 2200

MUSC648 **Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Natalie Zelensky Tu 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C
0201	Natalie Zelensky M 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C
0301	Barbara Haggh-Huglo TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 2515C
0401	Janice Holly Th 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Nicole Aldrich	Seats (Total: 10)	
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab
	MW 3:00pm - 3:50pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC649D **Ensemble; The Maryland Chorus**

MUSC649D *(PermReq)* **Ensemble: The Maryland Chorus; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	Tu 7:30pm - 10:00pm	PAC 2201	Lab
	TBA	PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

MUSC649E Ensemble: Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC649O **Ensemble; Opera Chorus**

MUSC649O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 10)
	F 4:00pm - 6:00pm	PAC 2170

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Timothy Reno	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC650 **The Contemporary Idiom**

MUSC650 The Contemporary Idiom; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 470 or permission of department. Analysis of various works of the twentieth century.

0101	Lawrence Moss	Seats (Total: 20)
	W 5:30pm - 8:00pm	PAC 2160

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 *(PermReq)* **The Theories of Heinrich Schenker; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 450 or permission of department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio	Seats (Total: 10)
	M 11:00am - 1:35pm	PAC 2164

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 *(PermReq)* **Seminar in Choral Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160

MUSC660 **String Pedagogy**

MUSC660 String Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: MuSC400S or MUSC600. A study of major string pedagogical treatises, and an evaluation of string pedagogical techniques, materials, and procedures. MUSC660 is intended for masters string performance majors; BM students should register for MUSC400S, and DMA students for MUSC800S.

0101	Gerald Fischbach TuTh 2:00pm - 3:15pm	Seats (Total: 35) PAC 1230

MUSC675 **Music Theory Pedagogy**

MUSC675 *(PermReq)* **Music Theory Pedagogy; (3 credits)** Grade Method: REG/AUD.
Analysis of introductory level music theory courses, evaluation of text materials, and teaching approaches for music fundamentals, aural training, and basic undergraduate theory programs.

0101	Daniel Zimmerman TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 2168

MUSC680 **Seminar in Music of Antiquity and the Middle Ages**

MUSC680 Seminar in Music of Antiquity and the Middle Ages; (3 credits) Grade Method: REG/AUD.
Research topics in music from antiquity to 1450.

0101	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 3110A

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 5) PAC 3168 PAC 1230
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 5) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit) Grade Method: REG/AUD.
Also offered as MUSC448B.

0101	Robert Oppelt Contact instructor or department for details.	Seats (Total: 15)

MUSC699C **Selected Topics in Music; Chamber Music Literature**

MUSC699C Selected Topics in Music: Chamber Music Literature; (3 credits) Grade Method: REG/AUD.
Also offered as MUSC448C.

0101	Shelley Davis Th 7:00pm - 9:30pm	Seats (Total: 15) PAC 3110A

MUSC699E **Selected Topics in Music; Ballets Russes**

MUSC699E Selected Topics in Music: Ballets Russes; (3 credits) Grade Method: REG/AUD.

0101	Olga Haldey Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 2160

MUSC699J **Selected Topics in Music; Theory of Jazz**

MUSC699J Selected Topics in Music: Theory of Jazz; (3 credits) Grade Method: REG/AUD.

0101	Leigh Pilzer MW 3:00pm - 4:15pm	Seats (Total: 4) PAC 3160

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699X **Selected Topics in Music; Hadyn Performance Practice**
Contact department for information to register for this course.

MUSC699Z **Selected Topics in Music; Jazz Theory and Improvisation I**

MUSC699Z *(PermReq)* **Selected Topics in Music: Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.

0101	Cynthia Elliott M 7:15pm - 9:50pm	Seats (Total: 8) PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800S **Advanced Seminar in Music Pedagogy**

MUSC800S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Gerald Fischbach TuTh 2:00pm - 3:15pm	Seats (Total: 35) PAC 1230

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

Contact department for information to register for this course.

MUSC830A **Doctoral Seminar in Music Literature**

MUSC830A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Robert McReynolds, Delores Ziegler W 3:00pm - 5:30pm	Seats (Total: 20) PAC 2200

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG.
Prerequisite: at least twelve hours in music history and literature. For conducting majors.

0201	James Ross Contact instructor or department for details.	Seats (Total: 5)

MUSC830P **Doctoral Seminar in Music Literature**

MUSC830P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Bradford Gowen	Seats (Total: 15)
	W 10:00am - 12:30pm	PAC 3168

MUSC830V **Doctoral Seminar in Music Literature**

MUSC830V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Robert McReynolds, Delores Ziegler	Seats (Total: 20)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: at least twelve hours in music history and literature.

Contact department for information to register for this course.

MUSC878 **Advanced Composition**

MUSC878 *(PermReq)* **Advanced Composition; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2008

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1-2 credits) Grade Method: REG.

0101	Ricardo Araneda, Daphne Soares	Seats (Total: 20)	
	F 12:00pm - 12:50pm	BPS 1243	

NACS641 **Introduction to Neurosciences**

NACS641 *(PermReq)* **Introduction to Neurosciences; (4 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Detailed examination of neuroanatomy, neurophysiology, neural development and plasticity, sensory processing, motor control, and 'higher' CNS (Cognitive & Neural Science) functions such as language and memory.

0101	Ricardo Araneda, Daphne Soares, Patrick Kanold	Seats (Total: 25)	
	TuTh 9:45am - 11:00am	BPS 1230	
	W 9:45am - 11:00am	BPS 1230	Discussion

NACS728C **Selected Topics in Neuroscience and Cognitive Science; Advanced Topics in Attachment Theory and Research**

NACS728C Selected Topics in Neuroscience and Cognitive Science: Advanced Topics in Attachment Theory and Research; (3 credits) Grade Method: REG/AUD. Also offered as PSYC819B.

0101	Jude Cassidy	Seats (Total: 10)	
	Th 1:00pm - 3:30pm	BPS 0150	

NACS728Y **Selected Topics in Neuroscience and Cognitive Science; Introduction to Cognitive Science**

NACS728Y Selected Topics in Neuroscience and Cognitive Science: Introduction to Cognitive Science; (4 credits) Grade Method: REG/AUD.

0101	William Idsardi	Seats (Total: 25)	
	TuTh 2:00pm - 4:00pm	BPS 1238	

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2008

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Robert Jackson	Seats (Total: 25)	
	MW 1:00pm - 1:50pm	TYD 0130	
	Th 8:30am - 9:30am	MMH 3418	Discussion

0102	Robert Jackson MW 1:00pm - 1:50pm Th 8:30am - 9:30am	Seats (Total: 25) TYD 0130 MMH 0108	Discussion
0103	Robert Jackson MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0130 KEY 0123	Discussion
0104	Robert Jackson MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 ARM 0110	Discussion
0105	Robert Jackson MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0106	Robert Jackson MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1108	Discussion
0107	Robert Jackson MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0108	Robert Jackson MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 2207	Discussion
0109	Robert Jackson MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0110	Robert Jackson MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0111	Robert Jackson MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm *Section 0111 is recommended for NFSC majors only.*	Seats (Total: 25) TYD 0130 SYM 0215	Discussion

0112	Robert Jackson MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0113	Robert Jackson MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0121	Discussion
0114	Robert Jackson MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EGR 2116	Discussion
0115	Robert Jackson MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 SKN 1115	Discussion
0116	Robert Jackson MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0120	Discussion
0117	Robert Jackson MW 1:00pm - 1:50pm W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 KEY 0119	Discussion
0118	Robert Jackson MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 ARM 0103	Discussion
0119	Robert Jackson MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 19) TYD 0130 PLS 1146	Discussion
FC01	Robert Jackson MW 4:30pm - 5:20pm F 11:30am - 12:20pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) PLS 1130 EGR 3114	Discussion
FC02	Robert Jackson MW 4:30pm - 5:20pm F 1:00pm - 1:50pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) PLS 1130 EGR 3114	Discussion

NFSC100H **Elements of Nutrition**

NFSC100H Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
For general honors students only.

0101	Robert Jackson MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 12) TYD 0130 MMH 3112	 Discussion

NFSC112 **Food: Science and Technology**

NFSC112 Food: Science and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Patrick Williams MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 36) JMZ 0220 WDS 1114	 Discussion
0102	Patrick Williams MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 36) JMZ 0220 MMH 1304	 Discussion

NFSC350 **Foodservice Operations**

NFSC350 *(PermReq)* **Foodservice Operations; (5 credits)** Grade Method: REG. *Prerequisite: NFSC250. Pre- or corequisite: BSCI223. Corequisite: BMGT364. For Dietetics majors only.* Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Mireille Bright-Gbebry TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) SKN 0101 MMH 3108	 Lab

0102	Mireille Bright-Gbebry TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) SKN 0101 MMH 3108	 Lab

NFSC380 **Methods of Nutritional Assessment**

NFSC380 Methods of Nutritional Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315. Corequisite: BCHM461. For NFSC majors only. Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Virginia Hartmuller MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) MMH 1400 SKN 0101	 Lab
0102	Virginia Hartmuller MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 15) MMH 1400 SKN 0101	 Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

NFSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

0201	Thomas Castonguay Contact instructor or department for details.	Seats (Total: 10)

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC421 **Food Chemistry**

NFSC421 *(PermReq)* **Food Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461.* Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	COL 0113	

NFSC422 **Food Product Research and Development**

NFSC422 Food Product Research and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. For FDSC majors only. Formerly FDSC422. A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Ana Aguado	Seats (Total: 15)	
	W 10:00am - 10:50am	SKN 1115	
	F 1:00pm - 5:00pm	MMH 3419	Lab

NFSC423 **Food Chemistry Laboratory**

NFSC423 Food Chemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Pre- or corequisite: NFSC421.* Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Liangli Yu	Seats (Total: 15)	
	Th 8:30am - 9:20am Th 9:30am - 12:20pm	SKN 0101 MMH 3419	Lab

NFSC425 **International Nutrition**

NFSC425 International Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: course in basic nutrition.* Nutritional status of world population; consequences of malnutrition on health and mental development; and local, national, and international programs for nutritional improvement.

0101	Robert Jackson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SKN 0101

NFSC440 **Advanced Human Nutrition**

NFSC440 *(PermReq)* **Advanced Human Nutrition; (4 credits)** Grade Method: REG. *Prerequisites: NFSC100 or NFSC200; and BCHM462; and BSCI440.* A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro- minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health. Also offered as NFSC 678R.

0101	David Lei	Seats (Total: 75)
	TuTh 2:00pm - 3:40pm	PLS 1140

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498B **Selected Topics; Dieting and the Science of Weight Loss**

NFSC498B Selected Topics: Dieting and the Science of Weight Loss; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC100.

0101	Edra London	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MMH 3418

NFSC498P **Selected Topics; Nutrition, Food and Public Policy**

NFSC498P Selected Topics: Nutrition, Food and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC112 or permission of instructor. Also offered as NFSC655.Credit will be granted for one of the following: NFSC498P or NFSC655. History and current status of legislation relative to food and nutrition. Focus on gaining insights and skills regarding working effectively in the area of food and nutritional sciences and policy.

0101	Mickey Parish, Robert Post	Seats (Total: 20)
	TuTh 5:30pm - 6:45pm	PLS 1162

NFSC502 **Food Safety Risk Assessment**

NFSC502 Food Safety Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: NFSC501. To study the theory, methodology, and mainstream risk assessment models with emphasis on state-of-the-art guidelines and an examination of actual risk assessment that include post- and pre-market assessment utilizing the safety paradigm, biotechnology, carcinogenicity, and nutritional risk/benefit assessment, as well as microbiological, anitimicrobial resistance, animal drug, and food defense risk assessment. Also offered as NFSC679Y.

DL01	Charles Yoe	Seats (Total: 20)
	Meets September 1, 2008 - November 21, 2008	
	Class time/details on ELMs	ONLINE

NFSC610 **Molecular Gerontology**

NFSC610 Molecular Gerontology; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM461 or BCHM463; or equivalent; or permission of department. Recommended: BCHM462 or BCHM465. This course is designed to acquaint the students with current knowledge of the molecular aspect of the aging process, with focuses on the genome, mechanisms of age-related degeneration, and molecular nutrition.

0101	Wen Hsing Cheng	Seats (Total: 15)
	W 1:00pm - 3:45pm	ASY 3221

NFSC630 **Nutritional Aspects of Energy Balance**

NFSC630 Nutritional Aspects of Energy Balance; (3 credits) Grade Method: REG/AUD.
Formerly NUTR630. The prevalence and basic causes of caloric imbalance, along with a wide variety of approaches to weight control.

0101	Kellie Tamashiro	Seats (Total: 10)
	Th 4:00pm - 6:30pm	KEY 0107

NFSC655 **Nutrition, Food and Public Policy**

NFSC655 Nutrition, Food and Public Policy; (3 credits) Grade Method: REG/AUD. *Formerly NUTR655.* History and current status of legislation relative to nutrition and food. Focus on gaining insights and skills regarding working effectively in the area of nutrition and policy. Also offered as NFSC498P.

0101	Mickey Parish, Robert Post TuTh 5:30pm - 6:45pm	Seats (Total: 20) PLS 1162

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

NFSC678R Selected Topics in Nutrition: Advanced Human Nutrition; (4 credits) Grade Method: REG/AUD.
Also offered as NFSC 440.

0101	David Lei TuTh 2:00pm - 3:40pm	Seats (Total: 75) PLS 1140

NFSC679Y **Selected Topics in Food Science; Food Safety Risk Assessment**

NFSC679Y Selected Topics in Food Science: Food Safety Risk Assessment; (3 credits) Grade Method: REG.
Also offered as NFSC502.

0101	Charles Yoe **Meets September 1, 2008 - November 21, 2008** Class time/details on ELMs	Seats (Total: 1) ONLINE
DL01	Charles Yoe **Meets September 1, 2008 - November 21, 2008** Class time/details on ELMs	Seats (Total: 20) ONLINE

NFSC680 **Human Nutritional Status**

NFSC680 Human Nutritional Status; (3 credits) Grade Method: REG/AUD. *Prerequisites: advanced nutrition, biochemistry and physiology..* Indirect and direct methods of appraisal of human nutritional status which include: dietary, anthropometric, clinical evaluations and biochemical measures.

0101	Nadine Sahyoun F 10:00am - 12:40pm	Seats (Total: 12) SKN 0101

NFSC688 **Seminar in Nutrition; Seminar in Nutrition**

NFSC688 Seminar in Nutrition: Seminar in Nutrition; (1-3 credits) Grade Method: REG/AUD.

0101	David Lei W 12:00pm - 12:50pm	Seats (Total: 12) MMH 3418

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC888 **Doctoral Seminar; Doctoral Seminar**

NFSC888 Doctoral Seminar: Doctoral Seminar; (1 credit) Grade Method: REG/AUD.

0101	Margaret Udahogora W 12:00pm - 12:50pm	Seats (Total: 15) MMH 3418

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Fall 2008

PERS101 **Elementary Persian I**

PERS101 Elementary Persian I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Credit will be granted for only one of the following: PERS101 or FOLA138K. Formerly FOLA138K. Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills.

0101	Mohamad Esmaili	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 0205
	Tu 10:00am - 10:50am	JMZ 1117

PERS201 **Intermediate Persian I**

PERS201 Intermediate Persian I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Prerequisite: PERS102 or equivalent. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Mohamad Esmaili	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 0205
	Tu 11:00am - 11:50am	JMZ 2122

PERS211 **Intermediate Conversation**

PERS211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS201 or equivalent. Recommended: PERS201.* Focus on aural and oral skills. Various genres and registers of speech.

0101	Mohamad Esmaili	Seats (Total: 14)
	MWF 12:00pm - 12:50pm	JMZ 1123

PERS251 **Modern Iran**

PERS251 Modern Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

0101	Ahmad Moussavi	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	JMZ 2206

PERS301 **Advanced Persian I**

PERS301 Advanced Persian I; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Prerequisite: PERS202 or permission of department. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Ali Abasi	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	HBK 0115

PERS371 **Introduction to Persian Literature in Translation**

PERS371 Introduction to Persian Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Ahmad Karimi-Hakkak	Seats (Total: 35)
	Tu 2:00pm - 3:15pm	TYD 1114
	Th 2:00pm - 3:15pm	TYD 0102

PERS399 **Directed Study in Persian**

PERS399 Directed Study in Persian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS411 **Readings in Iranian Islam**
Contact department for information to register for this course.

PERS601 **Modern Persian Literature**
Contact department for information to register for this course.

PERS611 **Practicum in Translation and Interpreting**
Contact department for information to register for this course.

PERS641 **Iranian Media and International Relations**
Contact department for information to register for this course.

PERS689A **Special Topics in Persian Studies; Current Affairs in the Persian-Speaking World**
Contact department for information to register for this course.

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PHIL Philosophy Fall 2008

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Daniel Blair	Seats (Total: 25)	
	TuTh 11:00am - 11:50am	MMH 1400	
	F 1:00pm - 1:50pm	SKN 1115	Discussion

0102	Daniel Blair TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 JRN 1105	Discussion
0103	Daniel Blair TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 JRN 1105	Discussion
0104	Daniel Blair TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 MMH 0108	Discussion
0105	Daniel Blair TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 TYD 2102	Discussion
0106	Daniel Blair TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 TYD 1102	Discussion
0201	Ryan Millsap MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 SYM 0209	Discussion
0202	Ryan Millsap MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0105	Discussion
0203	Ryan Millsap MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 ARM 0103	Discussion
0204	Ryan Millsap MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 2106	Discussion
0205	Ryan Millsap MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 COL 3114	Discussion

0206	Ryan Millsap MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0207	Ryan Millsap MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 JMZ 2122	Discussion
0208	Ryan Millsap MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1132	Discussion
0209	Ryan Millsap MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 HBK 0123	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Matthew King TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 PHY 1219	Discussion
0102	Matthew King TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 KEY 0126	Discussion
0103	Matthew King TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0117	Discussion
0104	Matthew King TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 PHY 0405	Discussion

0105	Matthew King TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 ARM 0121	Discussion
0106	Matthew King TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 1132	Discussion
0107	Matthew King TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SKN 1115	Discussion
0108	Matthew King TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 KEY 0121	Discussion
0109	Matthew King TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 2102	Discussion
0201	Samuel Kerstein MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 5) SHM 2102 KEY 0124	Discussion
0202	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 5) SHM 2102 TYD 2110	Discussion
0203	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 5) SHM 2102 TYD 1114	Discussion
0204	Samuel Kerstein MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 5) SHM 2102 MTH 0102	Discussion
0205	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 5) SHM 2102 ARM 0110	Discussion

0206	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 5) SHM 2102 TYD 2110	Discussion
0207	Samuel Kerstein MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 5) SHM 2102 SKN 1112	Discussion
0208	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MTH 0101	Discussion
0209	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0120	Discussion
FC01	Michael Russo MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 30) PLS 1113	
FC02	Chris Pyne TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 30) KEY 0103	
FC03	Jennifer Runnels TuTh 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 32) CSS 1113	
FC04	Benedict Chan MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 31) JMZ 2206	

PHIL140U **Contemporary Moral Issues**
Contact department for information to register for this course.

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TLF 1101	Discussion
0102	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 BPS 0283	Discussion
0103	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 WDS 1131	Discussion
0104	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 KEY 0103	Discussion
0105	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 LEF 1201	Discussion
0106	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 JMZ 1122	Discussion
0107	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0102	Discussion
0108	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 LEF 1222	Discussion
0109	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 KEY 0125	Discussion

FC01	Michael Tetzlaff MW 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 12) JMZ 2206	

PHIL233 **Philosophy in Literature**

PHIL233 Philosophy in Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

0101	Elizabeth Picciuto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1101 ARM 0103	Discussion
0102	Elizabeth Picciuto MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1101 CHM 0122	Discussion
0103	Elizabeth Picciuto MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 ASY 3203	Discussion

PHIL234 **Fundamental Concepts of Judaism**

PHIL234 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as JWST250. Not open to students who have completed JWST250. Credit will be granted for only one of the following: PHIL234 or JWST250. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3215	

PHIL236 **Philosophy of Religion**
Contact department for information to register for this course.

PHIL245 **Political and Social Philosophy I**

PHIL245 Political and Social Philosophy I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Heidi Tiedke TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 ARM 0101	Discussion
0102	Heidi Tiedke TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 HBK 1116	Discussion
0103	Heidi Tiedke TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 HBK 1116	Discussion

PHIL261 **Philosophy of the Environment**

PHIL261 Philosophy of the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed HONR218F or PHIL209N. Formerly HONR218F. An evaluation of different kinds of arguments for the claim that the natural environment should be preserved. Perspectives cut across the disciplines of philosophy (environmental ethics, philosophies of nature) , economics (cost-benefit analysis), and biology (evolution, ecology, environmental studies).

0101	Susan Bilek MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 MTH 0102	Discussion
0102	Susan Bilek MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 MTH 0101	Discussion

0103	Susan Bilek MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 MTH 0102	Discussion

PHIL308C **Studies in Contemporary Philosophy; Philosophy and Feminism**

PHIL308C Studies in Contemporary Philosophy: Philosophy and Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in philosophy.

0101	Elizabeth Schechter TuTh 12:30pm - 1:45pm	Seats (Total: 30) WDS 1114	

PHIL310 **Ancient Philosophy**

PHIL310 Ancient Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy or classics. A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.

0101	Rachel Singpurwalla MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2108	Discussion
0102	Rachel Singpurwalla MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TLF 1101	Discussion
0103	Rachel Singpurwalla MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 0104	Discussion

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG.
Prerequisite: six credit hours in philosophy. Junior standing. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Samuel Kerstein MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 MTH 0303	Discussion
0102	Samuel Kerstein MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 MTH 0411	Discussion
0103	Samuel Kerstein MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 LEF 1220	Discussion

PHIL362 **Theory of Knowledge**

PHIL362 Theory of Knowledge; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 and 3 additional credits in Philosophy. Not open to students who have completed PHIL462. Formerly PHIL462.* Some central topics in the theory of knowledge, such as perception, memory, knowledge, and belief, skepticism, other minds, truth, and the problems of induction.

0101	Dimiter Kirilov TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1112

PHIL366 **Philosophy of Mind**

PHIL366 Philosophy of Mind; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL380.* An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Daniel Blair TuTh 2:00pm - 3:15pm	Seats (Total: 30) BPS 1124

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL412 **The Philosophy of Plato**

PHIL412 The Philosophy of Plato; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine credit hours in philosophy. A critical study of selected dialogues.

0101	Rachel Singpurwalla	Seats (Total: 25)
	MW 2:00pm - 3:15pm	LEF 1201

PHIL416 **Medieval Philosophy**

PHIL416 Medieval Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. A study of philosophical thought from the fourth to the fourteenth centuries. Readings selected from Christian, Islamic, and Jewish thinkers.

0101	Lars Svenonius	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	SKN 1112

PHIL426 **Twentieth Century Analytic Philosophy**

PHIL426 Twentieth Century Analytic Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. Credit will be granted for only one of the following: PHIL326 or PHIL426. Formerly PHIL326. Major issues in twentieth century analytic philosophy examined through such philosophers as Frege, Russell, Carnap, Moore and Wittgenstein.

0101	Michael Morreau	Seats (Total: 20)
	MW 2:00pm - 3:15pm	SKN 1112

PHIL428K **Topics in the History of Philosophy; Rousseau, Kant Marx**

PHIL428K Topics in the History of Philosophy: Rousseau, Kant Marx; (3 credits) Grade Method: REG/P-F/AUD.

0101	Andrew Levine	Seats (Total: 25)
	Tu 2:00pm - 4:30pm	ARC 1103

PHIL431 **Aesthetic Theory**

PHIL431 Aesthetic Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: nine credits in philosophy or permission of department.* Study of the theory of the aesthetic as a mode of apprehending the world and of the theory of criticism, its conceptual tools and intellectual presuppositions.

0101	John Brown	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SKN 1115

PHIL440 **Contemporary Ethical Theory**

PHIL440 Contemporary Ethical Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL341.* Contemporary problems having to do with the meaning of the principal concepts of ethics and with the nature of moral reasoning.

0101	Dan Moller	Seats (Total: 24)
	TuTh 9:30am - 10:45am	SKN 1115

PHIL446 **Law, Morality, and War**

PHIL446 Law, Morality, and War; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT300, GVPT401, PHIL341, or permission of department. Also offered as GVPT403.* An exploration of fundamental moral and legal issues concerning war.

0101	Aaron Hoitink	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SKN 1112

PHIL454 **Philosophy of Space and Time**

PHIL454 Philosophy of Space and Time; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy. Senior standing.* A non-technical investigation of philosophical issues in the foundations of physics. Topics may include traditional philosophical problems of space and time, metaphysical issues about the nature of particles and fields, and philosophical problems associated with the introduction of probability into physics, such as the problem of irreversibility in thermodynamics and the problem of objectivity in quantum theory.

0101	Mathias Frisch	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SKN 1115

PHIL481 **Philosophy of Psychology: Representation**

PHIL481 Philosophy of Psychology: Representation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy; one of which must be PHIL280 or PHIL366. Semantics and representations within computational framework: intentionality, explicit vs. implicit representation, syntax vs. semantics of thought, connectionist approaches, images, classical vs. prototype theories of concepts.

0101	Georges Rey	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SKN 1115

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498K **Topical Investigations; Knowledge, Will, and Power**
Contact department for information to register for this course.

PHIL660 **Metaphysics, Mind, and Language**

PHIL660 Metaphysics, Mind, and Language; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Erin Eaker	Seats (Total: 15)
	Tu 2:00pm - 4:30pm	SKN 1116

PHIL670 **Epistemology**

PHIL670 Epistemology; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course in epistemology for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Georges Rey	Seats (Total: 15)
	M 5:00pm - 7:35pm	SKN 1116

PHIL688P **Selected Problems in Philosophy; Proseminar in Politics, Philosophy and Public Policy**

PHIL688P Selected Problems in Philosophy: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF698E.

0101	Karol Soltan, Alec Walen	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

PHIL788 **Research in Philosophy**

PHIL788 Research in Philosophy; (1-6 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL848 **Seminar in Ethics; Moral Theory**

PHIL848 Seminar in Ethics: Moral Theory; (3 credits) Grade Method: REG/AUD.

0101	Dan Moller	Seats (Total: 15)
	M 2:00pm - 4:35pm	SKN 1116

PHIL858L **Seminar in Logic and Philosophy of Sciences; Metaphysics, Mind and Language**

PHIL858L Seminar in Logic and Philosophy of Sciences: Metaphysics, Mind and Language; (3 credits) Grade Method: REG/AUD.

0101	Erin Eaker	Seats (Total: 15)
	Th 2:00pm - 4:30pm	HBK 0125

PHIL858P **Seminar in Logic and Philosophy of Sciences; Causation**

PHIL858P Seminar in Logic and Philosophy of Sciences: Causation; (3 credits) Grade Method: REG/AUD.

0101	Mathias Frisch Th 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL878 **Seminar in Cognitive Studies**

PHIL878 Seminar in Cognitive Studies; (3-9 credits) Grade Method: REG/AUD.

0101	Georges Rey Tu 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Fall 2008

PHYS101 **Contemporary Physics - Revolutions in Physics**

Students should attend physics lab and discussion sections during the first week of class, unless directed to do otherwise by the course instructor.

PHYS101 Contemporary Physics - Revolutions in Physics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: eligibility for placement in MATH140 or MATH220. Not open to students who have completed PHYS111. For non-science students who are interested in the evolution of scientific thought and its present day significance. Historical, philosophic, experimental and theoretical aspects of physics are presented. Topics in mechanics, relativity, electricity and magnetism, and nuclear physics are covered.

0101	Roald Sagdeev MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 24) CSS 2324 MTH 0201	 Discussion
0102	Roald Sagdeev MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 MTH 0106	 Discussion

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 103.

0101	Alan Peel TuTh 9:30am - 10:45am	Seats (Total: 150) PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 102.

0101	Oscar Greenberg Th 11:00am - 12:50pm	Seats (Total: 15) PHY 3213	 Lab
0201	Oscar Greenberg Th 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	 Lab
0301	Oscar Greenberg Th 3:30pm - 5:20pm	Seats (Total: 15) PHY 3213	 Lab
0401	Oscar Greenberg F 10:00am - 11:50am *Section 0401 is recommended for First-Year students.*	Seats (Total: 15) PHY 3213	 Lab
0501	Oscar Greenberg F 12:00pm - 1:50pm	Seats (Total: 15) PHY 3213	 Lab
0601	Oscar Greenberg F 2:00pm - 3:50pm	Seats (Total: 15) PHY 3213	 Lab
0701	Oscar Greenberg W 3:00pm - 5:00pm	Seats (Total: 15) PHY 3213	 Lab
0801	Oscar Greenberg W 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	 Lab

PHYS104 How Things Work: Science Foundations

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0201	Theodore Jacobson TuTh 2:00pm - 3:15pm	Seats (Total: 66) PHY 1410	

PHYS105 **Physics for Decision Makers: The Global Energy Crisis**

PHYS105 Physics for Decision Makers: The Global Energy Crisis; (3 credits)
Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major. In this marquee course, we will take a scientific perspective to study w questions related to the global energy crisis: What is energy? What are the basic laws of thermodynamics, and how do they constrain our understa nding of energy production? How is electricity produced and distributed? What is a greenhouse gas? With an understanding of these facts, we will then address more difficult questions. What options exist for addressi ng global warming? This course will give tomorrow's decision makers the basic tools needed to make informed, rational choices about the world's future energy policy. The course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Steven Rolston TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion
0102	Steven Rolston TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion

0103	Steven Rolston TuTh 3:30pm - 4:45pm M 3:00pm - 3:50pm	Seats (Total: 20) PHY 1412 PHY 1402	Discussion
0104	Steven Rolston TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1402	Discussion
0105	Steven Rolston TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 20) PHY 1412 PHY 1402	Discussion
0106	Steven Rolston TuTh 3:30pm - 4:45pm F 3:00pm - 3:50pm	Seats (Total: 20) PHY 1412 PHY 1402	Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows. CORE Physical Science Lab (PL) Course only when taken with PHYS 107.

0101	Jordan Goodman MWF 2:00pm - 2:50pm	Seats (Total: 160) PHY 1412

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 106.

0101	Suresh Tonwar Tu 9:00am - 10:50am *Section 0101 recommended for First Year students.*	Seats (Total: 24) PHY 3214	Lab
0201	Suresh Tonwar Tu 2:00pm - 3:50pm *Section 0201 recommended for First Year students.*	Seats (Total: 24) PHY 3214	Lab
0501	Suresh Tonwar W 12:00pm - 1:50pm	Seats (Total: 24) PHY 3214	Lab
0701	Suresh Tonwar Th 10:00am - 11:50am	Seats (Total: 24) PHY 3214	Lab
0801	Suresh Tonwar Th 2:00pm - 3:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Kara Hoffman MTuW 2:00pm - 4:00pm	Seats (Total: 20) PHY 3316	Lab
0201	Giridhar Nandikotkur MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	Lab

PHYS117 **Introduction to Physics**

PHYS117 Introduction to Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: qualification to enter MATH110. Intended for students majoring in neither the physical nor biological sciences. A study of the development of some of the basic ideas of physical science.

0101	James Griffin	Seats (Total: 14)	
	MWF 2:00pm - 2:50pm	PHY 1410	
	Th 12:00pm - 1:50pm	PHY 3301	Lab
0102	James Griffin	Seats (Total: 14)	
	MWF 2:00pm - 2:50pm	PHY 1410	
	Th 2:00pm - 3:50pm	PHY 3301	Lab
0104	James Griffin	Seats (Total: 14)	
	MWF 2:00pm - 2:50pm	PHY 1410	
	Th 4:00pm - 5:50pm	PHY 3301	Lab
0105	James Griffin	Seats (Total: 14)	
	MWF 2:00pm - 2:50pm	PHY 1410	
	F 10:00am - 11:50am	PHY 3301	Lab

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 5:00pm - 6:50pm	PHY 3306	Lab
	W 4:00pm - 4:50pm	PHY 0220	Discussion

0102	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 4:00pm - 5:50pm	PHY 3306	Lab
	M 3:00pm - 3:50pm	PHY 0220	Discussion
0103	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 11:00am - 12:50pm	PHY 3306	Lab
	Tu 10:00am - 10:50am	PHY 0220	Discussion
0104	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 0220	Discussion
0105	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 1:00pm - 2:50pm	PHY 3306	Lab
	W 12:00pm - 12:50pm	PHY 0220	Discussion
0106	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 9:00am - 10:50am	PHY 3306	Lab
	Th 8:00am - 8:50am	PHY 0220	Discussion
0107	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 12:00pm - 1:50pm	PHY 3306	Lab
	M 11:00am - 11:50am	PHY 0220	Discussion
0108	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 1:00pm - 3:00pm	PHY 3306	Lab
	Th 12:00pm - 12:50pm	PHY 0220	Discussion
0201	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 10:00am - 11:50am	PHY 3306	Lab
	M 9:00am - 9:50am	PHY 0220	Discussion

0202	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 2:00pm - 3:50pm	PHY 3306	Lab
	M 1:00pm - 1:50pm	PHY 0220	Discussion
0203	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 9:00am - 10:50am	PHY 3306	Lab
	Tu 8:00am - 8:50am	PHY 0220	Discussion
0204	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	PHY 0220	Discussion
0205	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 10:00am - 11:50am	PHY 3306	Lab
	W 9:00am - 9:50am	PHY 0220	Discussion
0206	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 1:00pm - 1:50pm	PHY 0220	Discussion
0207	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 11:00am - 12:50pm	PHY 3306	Lab
	Th 10:00am - 10:50am	PHY 0220	Discussion
0208	Douglas Hamilton	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 3:00pm - 4:50pm	PHY 3306	Lab
	Th 2:00pm - 2:50pm	PHY 0220	Discussion
0401	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 7:30pm - 9:20pm	PHY 3306	Lab
	W 6:30pm - 7:20pm	PHY 0220	Discussion

0402	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	W 7:30pm - 9:20pm	PHY 3306	Lab
	M 6:30pm - 7:20pm	PHY 0220	Discussion
0403	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 7:30pm - 8:20pm	PHY 0220	Discussion
0404	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	F 9:00am - 10:50am	PHY 3306	Lab
	Th 5:00pm - 5:50pm	PHY 0220	Discussion
SEF1	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	PHY 0220	Discussion
	This section is intended to students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SG91	George Sherwood	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	SGII 2062	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	Tu 1:00pm - 1:50pm	Location: TBA	Discussion
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

PHYS122 Fundamentals of Physics II

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Satindar Bhagat	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 1219	Discussion
0102	Satindar Bhagat	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 10:00am - 11:50am	PHY 3312	Lab
	Tu 9:00am - 9:50am	PHY 1219	Discussion
0103	Satindar Bhagat	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 12:00pm - 1:50pm	PHY 3312	Lab
	Tu 11:00am - 11:50am	EGR 3102	Discussion
0104	Satindar Bhagat	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3312	Lab
	Tu 1:00pm - 1:50pm	PHY 4208	Discussion
0107	Satindar Bhagat	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Th 2:00pm - 3:50pm	PHY 3312	Lab
	Th 1:00pm - 1:50pm	PHY 0405	Discussion
0201	Satindar Bhagat	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 11:00am - 12:50pm	PHY 3312	Lab
	W 9:00am - 9:50am	PHY 4220	Discussion
0202	Satindar Bhagat	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	M 12:00pm - 1:50pm	PHY 3312	Lab
	M 10:00am - 10:50am	PHY 1219	Discussion

0203	Satindar Bhagat TuTh 12:30pm - 1:45pm Th 9:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 20) PHY 1410 PHY 3312 PHY 1219	 Lab Discussion
0204	Satindar Bhagat TuTh 12:30pm - 1:45pm W 3:00pm - 4:50pm W 2:00pm - 2:50pm	Seats (Total: 20) PHY 1410 PHY 3312 CHM 1224	 Lab Discussion
0401	Ho Jung Paik MW 7:00pm - 8:15pm Tu 7:30pm - 9:20pm Tu 6:30pm - 7:20pm	Seats (Total: 20) PHY 0405 PHY 3312 PHY 4208	 Lab Discussion

PHYS141 **Principles of Physics**

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics clinics, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0102	Arthur La Porta MWF 11:00am - 11:50am M 4:00pm - 5:50pm M 3:00pm - 3:50pm	Seats (Total: 25) PHY 1410 PHY 3314 PHY 4208	 Lab Discussion
0103	Arthur La Porta MWF 11:00am - 11:50am Tu 9:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1402	 Lab Discussion

0104	Arthur La Porta	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 11:00am - 12:50pm	PHY 3314	Lab
	Tu 10:00am - 10:50am	PHY 0405	Discussion
0105	Arthur La Porta	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3314	Lab
	Tu 1:00pm - 1:50pm	PHY 0405	Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261 (formerly: PHYS262) or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics clinic PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Stanley Neuder	Seats (Total: 20)	
	MWF 3:00pm - 3:50pm	PHY 0405	
	Th 4:00pm - 5:50pm	PHY 3314	Lab
	Th 3:00pm - 3:50pm	PHY 4208	Discussion
0102	Stanley Neuder	Seats (Total: 25)	
	MWF 3:00pm - 3:50pm	PHY 0405	
	Th 12:00pm - 1:50pm	PHY 3314	Lab
	Th 11:00am - 11:50am	PHY 1219	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Hailu Gebremariam MWF 3:00pm - 3:50pm Tu 3:00pm - 3:50pm	Seats (Total: 25) PHY 1410 PHY 1402	 Discussion
0103	Hailu Gebremariam MWF 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0104	Hailu Gebremariam MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0201	Wolfgang Losert TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 25) PHY 1410 PHY 0405	 Discussion
0202	Wolfgang Losert TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 25) PHY 1410 PHY 1402	 Discussion
0203	Wolfgang Losert TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion
0204	Wolfgang Losert TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	Seats (Total: 25) PHY 1410 MTH 0105	 Discussion
0301	Frederick Wellstood MWF 10:00am - 10:50am Tu 1:00pm - 1:50pm	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion

0302	Frederick Wellstood MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) PHY 1410 PHY 1402	Discussion
0303	Frederick Wellstood MWF 10:00am - 10:50am Th 9:00am - 9:50am	Seats (Total: 25) PHY 1410 HBK 1112	Discussion
0304	Frederick Wellstood MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) PHY 1410 PHY 0405	Discussion

PHYS170 **Professional Physics Seminar**

PHYS170 Professional Physics Seminar; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Recommended: high school physics.* Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0101	Robert Park W 12:00pm - 12:50pm	Seats (Total: 25) PHY 0405
0102	Robert Park M 12:00pm - 12:50pm	Seats (Total: 13) PHY 1305A

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. *Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191.* First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS 171H.

0201	Peter Shawhan MTuThF 9:00am - 9:50am	Seats (Total: 49) PHY 1201

PHYS171H **Introductory Physics: Mechanics and Relativity**

PHYS171H *(PermReq)* **Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. *Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191.* Also offered as PHYS171.

0201	Peter Shawhan MTuThF 9:00am - 9:50am	Seats (Total: 49) PHY 1201	

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Robert Gammon W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0102	Robert Gammon W 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0103	Gregory Sullivan Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0104	Gregory Sullivan Th 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0105	George Goldenbaum W 12:00pm - 1:50pm	Seats (Total: 14) PHY 3115	Lab
0106	George Goldenbaum Th 12:00pm - 2:00pm	Seats (Total: 14) PHY 3115	Lab

0107	Robert Gammon Tu 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Theodore Kirkpatrick MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 30) PHY 1410 CHM 0122	Discussion
0102	Theodore Kirkpatrick MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 30) PHY 1410 PHY 0405	Discussion
0103	Theodore Kirkpatrick MW 4:00pm - 5:15pm W 8:00am - 8:50am	Seats (Total: 30) PHY 1410 PHY 4220	Discussion
0104	Theodore Kirkpatrick MW 4:00pm - 5:15pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1410 MTH B0423	Discussion
0201	Wendell Hill MW 4:00pm - 5:15pm Tu 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 0405	Discussion

0202	Wendell Hill MW 4:00pm - 5:15pm Tu 9:00am - 9:50am	Seats (Total: 30) PHY 1412 MTH 0405	Discussion
0203	Wendell Hill MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH 0405	Discussion
0204	Wendell Hill MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0205	Wendell Hill MW 4:00pm - 5:15pm W 12:00pm - 12:50pm	Seats (Total: 30) PHY 1412 PHY 4208	Discussion
0301	Hsing-Hen Chen MWF 3:00pm - 3:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 1402	Discussion
0302	Hsing-Hen Chen MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0303	Hsing-Hen Chen MWF 3:00pm - 3:50pm Tu 12:00pm - 12:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0304	Hsing-Hen Chen MWF 3:00pm - 3:50pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 4208	Discussion
0305	Hsing-Hen Chen MWF 3:00pm - 3:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 CHM 0124	Discussion
0401	Richard Ellis M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 4208	Discussion

0402	Richard Ellis	Seats (Total: 30)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	W 6:00pm - 6:50pm	PHY 4208	Discussion
0403	Richard Ellis	Seats (Total: 30)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	M 6:00pm - 6:50pm	PHY 4208	Discussion
0404	Richard Ellis	Seats (Total: 30)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	M 6:00pm - 6:50pm	PHY 1219	Discussion

PHYS260H **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260H General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0301	Hsing-Hen Chen	Seats (Total: 20)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	W 1:00pm - 1:50pm	PHY 4208	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: PHYS260. Formerly PHYS262A. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Students must pay a $50.00 lab fee.

0101	Min Ouyang M 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0102	Min Ouyang M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	Lab
0103	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0104	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3219	Lab
0105	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0106	Min Ouyang M 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0107	Min Ouyang Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0108	Min Ouyang W 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0109	Min Ouyang W 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0110	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0111	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0112	Min Ouyang W 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0113	Min Ouyang Th 8:00am - 10:50am	Seats (Total: 24) PHY 3219	
0114	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab

0115	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3310	Lab
0116	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3310	Lab
0117	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0118	Min Ouyang Th 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0119	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3310	Lab
0120	Min Ouyang W 12:00pm - 2:50pm	Seats (Total: 24) PHY 3310	

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
Corequisite: PHYS260. Formerly PHYS262A.

0101	Min Ouyang Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Formerly PHYS263. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Hsing-Hen Chen MW 4:00pm - 5:15pm Th 2:00pm - 2:50pm	Seats (Total: 28) CHM 1402 PHY 4220	Discussion
0102	Hsing-Hen Chen MW 4:00pm - 5:15pm Th 4:00pm - 4:50pm	Seats (Total: 28) CHM 1402 PHY 1402	Discussion
0103	Hsing-Hen Chen MW 4:00pm - 5:15pm W 9:00am - 9:50am	Seats (Total: 28) CHM 1402 PHY 1219	Discussion
0104	Hsing-Hen Chen MW 4:00pm - 5:15pm F 1:00pm - 1:50pm	Seats (Total: 28) CHM 1402 PHY 1402	Discussion
0301	Stephen Wallace MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0302	Stephen Wallace MWF 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0303	Stephen Wallace MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 28) PHY 1410 MTH 0106	Discussion

0304	Stephen Wallace MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 28) PHY 1410 PHY 1219	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Students must pay a $50.00 lab fee.

0102	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	Min Ouyang M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	 Lab
0105	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	 Lab
0107	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	 Lab
0116	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	 Lab
0117	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	 Lab
0118	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	 Lab

0119	Min Ouyang	Seats (Total: 24)	
	Th 5:00pm - 7:50pm	PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A.*

0101	Min Ouyang	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 275. Also offered as PHYS 272H.

0101	Luis Orozco	Seats (Total: 55)	
	TuTh 12:30pm - 1:45pm	PHY 1201	
	F 12:00pm - 12:50pm	PHY 1201	

PHYS272H **Introductory Physics: Fields**

PHYS272H Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142.* CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 275. For general honors students only. Also offered as PHYS 272.

0101	Luis Orozco	Seats (Total: 55)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS 273H.

0101	Christopher Monroe	Seats (Total: 42)
	MTuWTh 9:00am - 9:50am	PHY 0405

PHYS273H **Introductory Physics: Waves**

PHYS273H Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. For general honors students only. Also offered as PHYS 273.

0101	Christopher Monroe	Seats (Total: 42)
	MTuWTh 9:00am - 9:50am	PHY 0405

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: (PHYS171 or PHYS161) and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS 272.

0101	Nicholas Hadley M 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0201	Christopher Lobb W 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0301	Nicholas Hadley Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0401	Christopher Lobb Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Credit will be granted for only one of the following: PHYS276 or former PHYS295. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Sarah Eno M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0201	Sarah Eno Tu 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Johnpierre Paglione F 12:00pm - 3:50pm	Seats (Total: 12) PHY 3120	Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and MATH246. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Victor Galitskiy M 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 50) PHY 1201 PHY 1201	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Credit will be granted for only one of the following: PHYS375 or former PHYS296. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics. Besides lab hours scheduled below, additional required lab time will be arranged.

0101	Carter Hall M 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab
0201	Michael Fuhrer W 2:00pm - 5:50pm	Seats (Total: 9) PHY 3104	Lab
0301	Carter Hall Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab
0401	Michael Fuhrer Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Credit will be granted for only one of the following: PHYS401 or PHYS421. Formerly PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Paulo Bedaque	Seats (Total: 68)
	MWF 10:00am - 10:50am	PHY 1201
	W 11:00am - 11:50am	PHY 1201

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Credit will be granted for only one of the following: PHYS402 or former PHYS422. Formerly PHYS422. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Dieter Brill	Seats (Total: 45)	
	MWF 10:00am - 10:50am	PHY 1402	
	W 11:00am - 11:50am	PHY 1402	

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Credit will be granted for only one of the following: PHYS404 or former PHYS414. Formerly PHYS414. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Bei Lok Hu	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	PHY 1402	

PHYS405 **Advanced Experiments**

PHYS405 Advanced Experiments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. For PHYS majors only. Formerly PHYS395. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Elizabeth Beise	Seats (Total: 20)	
	W 12:00pm - 12:50pm	PHY 3210	
	TBA	PHY 3210	Lab

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Zackaria Chacko	Seats (Total: 45)	
	TuTh 9:00am - 10:50am	PHY 1402	

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Edward Ott	Seats (Total: 50)	
	TuTh 11:00am - 11:50am	PHY 1402	
	M 11:00am - 11:50am	PHY 1402	
	F 11:00am - 11:50am	PHY 1201	Discussion

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (PHYS270 and PHYS271 {formerly: PHYS263} or PHYS273); and MATH246. A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Kevork Abazajian	Seats (Total: 40)	
	MW 4:00pm - 5:15pm	PHY 0405	

PHYS431 **Properties of Matter**

PHYS431 Properties of Matter; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and (PHYS270 and PHYS271 {formerly: PHYS263}), PHYS 401 or PHYS420. Also offered as ENMA460. Credit will be granted for only one of the following: ENMA460 or PHYS431. Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Ichiro Takeuchi MW 3:30pm - 4:45pm	Seats (Total: 29) CHM 1228

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS601 **Theoretical Dynamics**

PHYS601 *(PermReq)* **Theoretical Dynamics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: PHYS 410 or equivalent.* Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.

0101	Adil Hassam MWF 9:00am - 9:50am	Seats (Total: 50) PHY 1402

PHYS604 **Methods of Mathematical Physics**

PHYS604 *(PermReq)* **Methods of Mathematical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisites: {advanced calculus; and PHYS 410; and PHYS 411}; or equivalent. Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.

0101	Sylvester Gates TuTh 9:30am - 10:45am	Seats (Total: 50) PHY 4208

PHYS621 **Graduate Laboratory**

PHYS621 *(PermReq)* **Graduate Laboratory; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 405 or equivalent. Design and performance of advanced experiments in modern and classical physics.

0101	Simone-Gunde Kulin	Seats (Total: 12)	
	MW 10:00am - 1:00pm	PHY 3112	Lab

PHYS622 **Introduction to Quantum Mechanics I**

PHYS622 *(PermReq)* **Introduction to Quantum Mechanics I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.

0201	Thomas Cohen	Seats (Total: 55)
	MW 10:00am - 10:50am	CHM 0127
	F 10:00am - 11:50am	CHM 0127

PHYS624 **Advanced Quantum Mechanics**

PHYS624 Advanced Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.

0101	Kaustubh Agashe	Seats (Total: 38)	
	MWF 12:00pm - 12:50pm	PHY 1219	

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

PHYS675 Introduction to Relativity, Gravitation and Cosmology; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 601 and PHYS 606. Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

0101	Alessandra Buonanno TuTh 2:00pm - 3:15pm	Seats (Total: 30) PHY 0405

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	David Hammer W 4:00pm - 5:15pm	Seats (Total: 10) PHY 1304

PHYS709 **Seminar in General Physics; Statistical Physics Seminar**

PHYS709 Seminar in General Physics: Statistical Physics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH 709B.

0101	John Weeks W 4:00pm - 5:00pm	Seats (Total: 20) IPT 1116

PHYS721 **Atomic and Optical Physics I (Survey)**

PHYS721 Atomic and Optical Physics I (Survey); (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. 3 semester hours. A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.

0101	Ian Spielman, Eite Tiesinga MW 2:30pm - 4:00pm	Seats (Total: 30) PHY 1201

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Steven Rolston M 12:00pm - 2:00pm	Seats (Total: 20) PHY 1201

PHYS731 **Solid State Physics: Survey**

PHYS731 Solid State Physics: Survey; (3 credits) Grade Method: REG/AUD.
A variety of topics such as crystal structure, mechanical, thermal, electrical, and magnetic properties of solids, band structure, the Fermi surface, and superconductivity will be treated. Although the emphasis will be on the phenomena, the methods of quantum mechanics are freely employed in this description.

0101	James Anderson Tu 2:30pm - 3:45pm Th 3:15pm - 4:30pm	Seats (Total: 25) PHY 4220 PHY 4220

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 739.

0101	Victor Galitskiy, Min Ouyang Th 2:00pm - 3:50pm *Section is co-taught by Min Ouyang and Victor Galitskiy.*	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 738.

0101	Min Ouyang, Victor Galitskiy Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Herbert Breuer, Nicholas Chant, Chia-Cheh Chang, Elizabeth Beise, Philip Roos W 4:00pm - 6:00pm	Seats (Total: 24) PHY 4208

PHYS749 **Seminar in Theoretical Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Xiangdong Ji W 4:00pm - 6:00pm	Seats (Total: 20) PHY 1201

PHYS751 **Elementary Particle Physics I: Survey**

PHYS751 Elementary Particle Physics I: Survey; (3 credits) Grade Method: REG/AUD.
Corequisite: PHYS624. Nuclear forces are studied by examining interactions at high energies. Meson physics, scattering processes, and detailed analysis of high energy experiments.

0101	Douglas Roberts TuTh 9:30am - 10:45am	Seats (Total: 20) PHY 1304

PHYS758 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS758 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kara Hoffman W 1:00pm - 2:30pm	Seats (Total: 15) PHY 1201

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Rabindra Mohapatra M 3:00pm - 4:00pm	Seats (Total: 15) PHY 4102

PHYS761 **Plasma Physics I: Survey**

PHYS761 Plasma Physics I: Survey; (3 credits) Grade Method: REG/AUD. *Prerequisites: {PHYS 604; and PHYS 606}.* A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.

0101	James Drake	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PHY 1219

PHYS769 **Seminar in Plasma Physics**

PHYS769 Seminar in Plasma Physics; (1 credit) Grade Method: REG/AUD. Class will meet in ERF 1207.

0101	Adil Hassam	Seats (Total: 35)
	W 4:00pm - 5:15pm	PHY 1219

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Hamilton	Seats (Total: 20)
	M 4:30pm - 5:45pm	CSS 2400

PHYS779A **Seminar in General Relativity; Seminar in Gravitational Physics**

PHYS779A Seminar in General Relativity: Seminar in Gravitational Physics; (1 credit) Grade Method: REG/AUD.

0101	Bei Lok Hu	Seats (Total: 15)
	F 1:30pm - 2:45pm	PHY 4102

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Nicholas Hadley Tu 4:00pm - 6:00pm	Seats (Total: 160) PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.

0101	Wolfgang Losert Th 12:15pm - 1:45pm	Seats (Total: 10) ERF 1207

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS838A **Special Topics in Experimental Solid State Physics; Current Topics in Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH 718A.

0101	Ellen Williams M 12:00pm - 1:00pm F 4:00pm - 6:00pm	Seats (Total: 15) PHY 2202 PHY 2120

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Superconductivity, Quantum Materials and Nanoscience Seminar; (2 credits) Grade Method: REG/AUD.

0101	Richard Greene	Seats (Total: 50)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

PHYS839A Special Topics in Theoretical Solid State Physics: Theory of Low Dimensional Systems; (1 credit) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 20)
	F 4:00pm - 7:00pm	PHY 1201

PHYS851 **Advanced Quantum Field Theory**

PHYS851 Advanced Quantum Field Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS 624.* Renormalizations of Lagrangian field theories, Lamb shift, positronium fine structure, T. C. P. Invariance, connection between spin and statistics, broken symmetries in many body problems, soluble models, analyticity in perturbation theory, simple applications of dispersion relations.

0101	Rabindra Mohapatra	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PHY 1304

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2008

PLSC101 **Introductory Crop Science**

PLSC101 Introductory Crop Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance. Students must pay a $50.00 Laboratory Materials fee.

0101	Donald Glenn MWF 11:00am - 11:50am M 12:00pm - 1:50pm	Seats (Total: 22) PLS 1140 HJP 1104	 Lab
0102	Donald Glenn MWF 11:00am - 11:50am W 12:00pm - 1:50pm	Seats (Total: 22) PLS 1140 HJP 1104	 Lab
0103	Donald Glenn MWF 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 22) PLS 1140 HJP 1104	 Lab
0104	Donald Glenn MWF 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 22) PLS 1140 HJP 1104	 Lab

PLSC171 **Introduction to Urban Ecosystems**

PLSC171 Introduction to Urban Ecosystems; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed NRSC271. Credit will be granted for only one of the following: NRSC171, NRSC271, or PLSC171. Formerly NRSC171. The diverse and significant impacts of strategically maintaining greenspace within communities will be highlighted. Students learn about the role of green infrastructure in relation to quality of life and environment. Also taught are basic principles central to urban ecosystems, which contain vegetation, natural resources, the built environment and are dominated by people. The impacts of science, community development, landscape management, public policies, laws and their interactions on sustainability are studied.

0101	Marla McIntosh TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1117	

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

PLSC253 Woody Plants for Mid-Atlantic Landscapes I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab
0103	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab

PLSC305 **Introduction to Turf Management**

PLSC305 Introduction to Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Principles of turf culture. Identification and uses of turfgrass species; turfgrass fertilization, cultivation, mowing and establishment; and the identification of turf pests.

0101	Mark Carroll	Seats (Total: 24)	
	Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	PLS 1117 PBR 1102	 Lab

PLSC361 **Commercial Principles of Landscape Management**

PLSC361 Commercial Principles of Landscape Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT220 or permission of department. Corequisite: PLSC100 or PLSC101. Recommended: LARC160. Credit will be granted for only one of the following: PLSC261 or PLSC361. Formerly PLSC261. Commercial management practices associated with the landscape build/design and maintenance industry are emphasized. Lectures focus on strategic planning, job cost management, bidding and estimating, marketing, and personnel management. Laboratories and field trips familiarize students with the landscape industry by interfacing with corporations and industry-related term projects.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm W 1:00pm - 3:50pm	PLS 1117 PLS 1162	 Lab

PLSC389 **Internship**

PLSC389 Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 20)	
	M 9:00am - 9:50am	PLS 1113	

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC420 **Principles of Plant Pathology**

PLSC420 Principles of Plant Pathology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM104 or CHEM113 or CHEM271 and CHEM272; and PLSC201 or equivalent. Not open to students who have completed NRSC410. Formerly NRSC410.* An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Yilmaz Balci	Seats (Total: 20)	
	TuTh 8:00am - 9:15am Th 9:30am - 12:15pm	PLS 1119 PLS 1153	Lab
0102	Yilmaz Balci	Seats (Total: 20)	
	TuTh 8:00am - 9:15am Th 1:00pm - 3:50pm	PLS 1119 PLS 1153	Lab

PLSC453 **Weed Science**

PLSC453 Weed Science; (3 credits) Grade Method: REG/P-F/AUD. Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

0101	Donald Glenn	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm Tu 3:00pm - 4:50pm	HJP 1104 HJP 1104	Lab

PLSC471 **Forest Ecology**

PLSC471 Forest Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106 or PLSC201.* An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan	Seats (Total: 30)	
	MWF 10:00am - 10:50am	PLS 1119	

PLSC474 **Physiology of Maturation and Storage of Horticultural Crops**

PLSC474 Physiology of Maturation and Storage of Horticultural Crops; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI442. The physiological and biochemical changes occurring during storage of horticultural commodities. Application of scientific principles to handling and storage of fresh produce.

0101	Christopher Walsh	Seats (Total: 15)	
	MW 12:00pm - 12:50pm W 1:00pm - 3:50pm	PLS 1119 PLS 0123	Lab

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC489D **Special Topics in Plant Science; Low Maintenance Plant Design**

PLSC489D Special Topics in Plant Science: Low Maintenance Plant Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communication in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 16)
	Contact instructor or department for details.	

PLSC489I **Special Topics in Plant Science; Surveying, Drainage and Irrigation**

PLSC489I Special Topics in Plant Science: Surveying, Drainage and Irrigation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Justin Mathias	Seats (Total: 5)	
	Tu 11:00am - 12:50pm W 2:00pm - 3:50pm	ANS 0402 JUL 1105	Lab

PLSC489J **Special Topics in Plant Science; Exploring Plant Protection, Health, and Quarantine Issues**

PLSC489J Special Topics in Plant Science: Exploring Plant Protection, Health, and Quarantine Issues; (1 credit) Grade Method: REG/P-F/AUD.

0101	Arvydas Grybauskas	Seats (Total: 20)
	Th 4:00pm - 4:50pm	PLS 1129

PLSC489P **Special Topics in Plant Science; Pro Golf Turf**

PLSC489P *(PermReq)* **Special Topics in Plant Science: Pro Golf Turf; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Carroll	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC601 **Plant Genomics**

PLSC601 Plant Genomics; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed AGRO601. Credit will be granted for only one of the following: AGRO601, NRSC601, or PLSC601. Formerly NRSC601. An advanced course in plant genomics which is the study of genes of plant chromosomes. It will cover current topics in gene mapping, molecular markers, QTLs, gene sequencing, and genetic engineering with special focus on agriculturally important traits.

0101	Jose Costa	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1176

PLSC608 **Research Methods**
Contact department for information to register for this course.

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC689C **Special Topics; Conservation Biology**

PLSC689C Special Topics: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Maile Neel	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC789 **Advances in Research**

Contact department for information to register for this course.

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0201	Gary Coleman	Seats (Total: 40)
	M 4:00pm - 4:50pm	PLS 1140

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Fall 2008

PORT104 **Intensive Elementary Portuguese**

PORT104 Intensive Elementary Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed PORT101. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3219
	W 11:00am - 11:50am	ASY 3215

PORT223 **Portuguese Culture**

PORT223 Portuguese Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Political, social, intellectual, and literary forces shaping culture of contemporary Portugal from the formation of the country to the present. In English.

0101	Regina Igel	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

PORT234 **Issues in Latin American Studies I**

PORT234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and LASC234. Credit will be granted for only one of the following: PORT234 or SPAN234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana	Seats (Total: 45)
	MWF 10:00am - 10:50am	JMZ 2206

PORT234H **Issues in Latin American Studies I**

PORT234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and LASC234. Credit will be granted for only one of the following: PORT234 or SPAN234 or LASC234.

0101	Ivette Rodriguez-Santana	Seats (Total: 5)
	MWF 10:00am - 10:50am	JMZ 2206

PORT386 **Experiential Learning**

PORT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 Independent Study in Portuguese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT699 **Independent Study of Portuguese**

PORT699 Independent Study of Portuguese; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Fall 2008

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for sample course syllabus.

0110	Kevin Murnane TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0111	Kevin Murnane TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0112	Kevin Murnane TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 26) BRB 1101 BPS 1228	Discussion
0113	Kevin Murnane TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0114	Kevin Murnane TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0115	Kevin Murnane TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 26) BRB 1101 BPS 1228	Discussion

0116	Kevin Murnane TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0117	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 26) BRB 1101 BPS 1228	Discussion
0118	Kevin Murnane TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0119	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0121	Kevin Murnane TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 26) BRB 1101 BPS 1232	Discussion
0122	Kevin Murnane TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0123	Kevin Murnane TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0124	Kevin Murnane TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0125	Kevin Murnane TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0128	Kevin Murnane TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 21) BRB 1101 BPS 1124	Discussion

0129	Kevin Murnane TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0136	Kevin Murnane TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0220	Barry Smith TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0221	Barry Smith TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 15) BRB 1101 BPS 1228	Discussion
0222	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0225	Barry Smith TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0226	Barry Smith TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 26) BRB 1101 BPS 1234	Discussion
0231	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 PLS 1146	Discussion
0233	Barry Smith TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0235	Barry Smith TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion

0236	Barry Smith TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0237	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0238	Barry Smith TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0239	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0240	Barry Smith TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 KEY 0120	Discussion
0241	Barry Smith TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0243	Barry Smith TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0244	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0245	Barry Smith TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1243	Discussion
0331	Thomas Capo TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion

0332	Thomas Capo TuTh 3:30pm - 4:45pm Tu 12:30pm - 1:20pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0333	Thomas Capo TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0334	Thomas Capo TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0335	Thomas Capo TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0336	Thomas Capo TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0337	Thomas Capo TuTh 3:30pm - 4:45pm M 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0338	Thomas Capo TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 PLS 1113	Discussion
0339	Thomas Capo TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0340	Thomas Capo TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0342	Thomas Capo TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion

0343	Thomas Capo TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
FC01	Jeannette Johnson MW 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 26) BPS 0283	
FC02	Jeannette Johnson MW 6:00pm - 7:15pm *This section is only open to students in Freshman Connection.*	Seats (Total: 28) BPS 0283	

PSYC100H **Introduction to Psychology**

PSYC100H Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Open to Honors students only. Click here for sample course syllabus.

0101	William Hodos TuTh 9:30am - 10:45am	Seats (Total: 25) BPS 0283	
0201	Steven Brauth TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 1124	

PSYC100S **Introduction to Psychology**

PSYC100S Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars- Media, Self and Society. Click here for sample course syllabus.

0221	Barry Smith TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 10) BRB 1101 BPS 1228	Discussion

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (MATH111 or MATH140 or MATH220) with a C (2.0) or higher. A basic introduction to quantitative methods used in psychological research. Restricted to Psychology and Biology majors. All others require permission. Permission must be obtained in BPS 1107. Click here for sample course syllabus.

0101	Mark Johnson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 30) BPS 1250 BPS 1232	Discussion
0102	Mark Johnson TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 30) BPS 1250 BPS 1236	Discussion
0103	Mark Johnson TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 30) BPS 1250 BPS 1236	Discussion
0104	Mark Johnson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 30) BPS 1250 MTH 0306	Discussion
0105	Mark Johnson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 30) BPS 1250 BPS 1236	Discussion
0201	Mark Johnson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 30) BPS 1250 BPS 1236	Discussion
0202	Mark Johnson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 30) BPS 1250 BPS 1124	Discussion
0203	Mark Johnson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) BPS 1250 BPS 1228	Discussion

0204	Mark Johnson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) BPS 1250 BPS 1124	 Discussion
0205	Mark Johnson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) BPS 1250 PLS 1113	 Discussion
0301	Yaron Shlomi MW 4:00pm - 5:40pm	Seats (Total: 30) BPS 1124	

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for sample course syllabus.

0101	Eric Siegel MWF 1:00pm - 1:50pm	Seats (Total: 150) BPS 1250
0201	Charles Stangor MWF 2:00pm - 2:50pm	Seats (Total: 150) BPS 1250

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PSYC100. An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Frank Hall MW 5:00pm - 6:15pm	Seats (Total: 154) BPS 1250

PSYC309A **Special Topics in Psychology; Get to Know Your Faculty Series**

PSYC309A Special Topics in Psychology: Get to Know Your Faculty Series; (1 credit) Grade Method: REG/P-F/AUD.

0101	Marcia Marinelli	Seats (Total: 25)
	Tu 5:00pm - 6:15pm	BPS 1142

PSYC309B **Special Topics in Psychology; Abnormal Child Psychology**

PSYC309B Special Topics in Psychology: Abnormal Child Psychology; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Kelly O'Brien	Seats (Total: 75)
	TuTh 9:30am - 10:45am	JMZ 0105

PSYC309C **Special Topics in Psychology; Major Transitions**

PSYC309C Special Topics in Psychology: Major Transitions; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	John Jackson	Seats (Total: 20)
	W 12:00pm - 1:50pm	BPS 1234

PSYC309F **Special Topics in Psychology; Negotiations**

PSYC309F Special Topics in Psychology: Negotiations; (3 credits) Grade Method: REG/P-F/AUD.
For PSYC majors only. Click here for more information

0101	Rin Imai	Seats (Total: 30)
	Tu 9:30am - 12:00pm	BPS 1234

PSYC309K **Special Topics in Psychology; Language Development**

PSYC309K Special Topics in Psychology: Language Development; (3 credits) Grade Method: REG/P-F/AUD.
For PSYC majors only. Prerequisites: PSYC100 and PSYC355.

0101	Annette Henderson TuTh 9:30am - 10:45am	Seats (Total: 30) BPS 1228

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309M **Special Topics in Psychology; Cognitive Psychology**
Contact department for information to register for this course.

PSYC309V **Special Topics in Psychology; Psychology of Video Games**

PSYC309V Special Topics in Psychology: Psychology of Video Games; (3 credits) Grade Method: REG/P-F/AUD.
For PSYC majors only.

0101	Kent Norman MWF 11:00am - 11:50am	Seats (Total: 36) PLS 1129

PSYC310 **Perception**

PSYC310 Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {BSCI105, BSCI106, CHEM103 or PHYS121}. Not open to students who have completed PSYC410. A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. Restricted to PSYC majors only. Click here for sample course syllabus.

0101	Steven Brauth TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 0283

PSYC318D **Community Interventions: Theory and Research**

PSYC318D Community Interventions: Theory and Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 20) BPS 1112

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Curtis TuTh 2:00pm - 3:15pm	Seats (Total: 150) BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Kathryn Levit MW 3:30pm - 4:45pm	Seats (Total: 115) BPS 1243
0201	Kathryn Levit TuTh 11:00am - 12:15pm	Seats (Total: 115) BPS 1243

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Thomas Capo TuTh 12:30pm - 1:45pm	Seats (Total: 115) BPS 1243

PSYC353 **Abnormal Psychology**

PSYC353 Abnormal Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100. For PSYC majors only.* The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Tamara Walden TuTh 5:00pm - 6:15pm	Seats (Total: 300) BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for sample course syllabus.

0101	Edward Orehek TuTh 12:30pm - 1:45pm	Seats (Total: 160) HJP 0226

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100.* Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Tracy Riggins MW 3:00pm - 4:15pm	Seats (Total: 154) BPS 1250

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization), organizational psychology (motivation, leadership, job attitudes), and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Andrew Schmidt	Seats (Total: 115)
	MW 2:00pm - 3:15pm	BPS 1243

PSYC386 **Experiential Learning**

PSYC386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of department. Junior standing. Click here for more course information.

0101	Harold Sigall	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC403 **Animal Behavior**

PSYC403 Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC206 or PSYC301. Social interactions, learning, sensory processes, motivation, and experimental methods, with a major emphasis on mammals. Click here for sample course syllabus.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 0283

PSYC407 **Behavioral Neurobiology Laboratory**

PSYC407 *(PermReq)* **Behavioral Neurobiology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100, PSYC200 and {BSCI105 or BSCI106}. Recommended: PSYC301. 85 semester hours. Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals. Permission required (contact professor, ddyager@umd.edu) Click here for sample course syllabus.

0101	David Yager M 1:00pm - 2:00pm M 2:00pm - 5:00pm	Seats (Total: 8) BPS 0263 BPS 0263	 Lab
0201	David Yager W 1:00pm - 2:00pm W 2:00pm - 5:00pm	Seats (Total: 8) BPS 0263 BPS 0263	 Lab
0301	David Yager Tu 1:00pm - 2:00pm Tu 2:00pm - 5:00pm	Seats (Total: 8) BPS 0263 BPS 0263	 Lab

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 *(PermReq)* **Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F.
For students in the neuroscience minor. Click here for sample course syllabus.

0101	Jens Herberholz F 11:00am - 12:00pm	Seats (Total: 18) BPS 1142

PSYC410 **Experimental Psychology: Sensory Processes I**

PSYC410 Experimental Psychology: Sensory Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200; and completion of the English, math and science supporting course sequence. A student who has completed PSYC310 must have permission of department in order to register for PSYC410. Restricted to PSYC majors who have completed 85 credits and permission of instructor. A systematic survey of the content, models, and methodology of sensory and perceptual research.

0101	Thomas Carlson MW 10:00am - 10:50am F 10:00am - 12:00pm	Seats (Total: 12) BPS 1124 BPS 0124	 Lab
0201	Thomas Carlson MW 10:00am - 10:50am F 1:00pm - 3:00pm	Seats (Total: 12) BPS 1124 BPS 0124	 Lab

PSYC415 **History of Psychology**

PSYC415 History of Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: twelve credits in psychology including PSYC 200 or permission of department.* Origins of psychology in philosophy and biology, and the development of psychology as a science in the nineteenth and twentieth centuries. Consideration of current theoretical perspectives and experiments in relation to the enduring problems of psychology, and of the role of culture, science, and technology in the development of psychological ideas. Restricted to PSYC Majors only (20010). Click here for sample course syllabus.

0101	Hsuchi Ting TuTh 9:30am - 10:45am	Seats (Total: 35) BPS 1236	

PSYC420 **Experimental Psychology: Social Processes I**

PSYC420 Experimental Psychology: Social Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200; PSYC221; the completion of the departmentally required math and science supporting course sequence; and 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Rachel Freidus MW 1:00pm - 1:50pm Th 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0102	Rachel Freidus MW 1:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab

0103	Rachel Freidus MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0104	Rachel Freidus MW 1:00pm - 1:50pm F 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1103	 Lab
0201	Dexter Taylor MW 2:00pm - 2:50pm F 10:00am - 11:50am	Seats (Total: 15) PLS 1140 BPS 1112	 Lab
0202	Dexter Taylor MW 2:00pm - 2:50pm W 12:00pm - 1:50pm	Seats (Total: 15) PLS 1140 BPS 1236	 Lab
0203	Dexter Taylor MW 2:00pm - 2:50pm Tu 2:00pm - 4:00pm	Seats (Total: 15) PLS 1140 BPS 1234	 Lab
0204	Dexter Taylor MW 2:00pm - 2:50pm F 12:00pm - 2:00pm	Seats (Total: 15) PLS 1140 BPS 1112	 Lab

PSYC424 **Communication and Persuasion**

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Scott Roberts TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2109

PSYC432 **Introduction to Counseling Psychology**

PSYC432 Introduction to Counseling Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine hours in psychology including PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Stacie Ain MW 2:00pm - 3:15pm	Seats (Total: 40) BPS 0283	
0201	Kevin McGann MW 9:00am - 10:15am	Seats (Total: 40) BPS 1238	

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC200; and {PSYC235 or PSYC334 or PSYC353 or PSYC432 or PSYC434 or PSYC435 or PSYC436}; and 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Restricted to undergraduate PSYC majors who have completed 85 credits. Click here for sample course syllabus.

0101	Heather DelPino Tu 3:30pm - 5:30pm Th 3:30pm - 5:30pm	Seats (Total: 16) BPS 1236 BPS 1228	 Discussion
0102	Heather DelPino Tu 3:30pm - 5:30pm Th 3:30pm - 5:30pm	Seats (Total: 16) BPS 1236 BPS 1236	 Discussion
0201	Patricia Spangler M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1232 BPS 1232	 Discussion
0202	Patricia Spangler M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1232 BPS 1228	 Discussion

0301	Marianne Dunn M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1236	 Discussion
0302	Marianne Dunn M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1238	 Discussion
0401	Nazish Salahuddin W 9:00am - 11:00am F 9:00am - 11:00am	Seats (Total: 16) HBK 1116 BPS 1234	 Lab
0402	Nazish Salahuddin W 9:00am - 11:00am F 9:00am - 11:00am	Seats (Total: 16) HBK 1116 BPS 1234	 Lab

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 or equivalent. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Andrea Leiman W 10:00am - 12:50pm	Seats (Total: 60) SKN 0104

PSYC443 **Thinking and Problem Solving**

PSYC443 Thinking and Problem Solving; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200; and {PSYC341 or PSYC440} or permission of department. Historical development, current theory and data, and research methods in problem solving. Formal problem solving theory and computer models of thinking and human problem-solving behavior. The uses of strategies to improve students' own thinking processes and problem-solving behavior. Restricted to PSYC majors. Click here for sample course syllabus.

SG91	Sonja Linn	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SG3 3225
	Registration is restricted to CCJS students enrolled in the Shady Grove BA program.	
SG92	Sonja Linn	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SG3 3225
	Registration is restricted to COMM majors at Shady Grove.	

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and an additional six credits in psychology. Credit will be granted for only one of the following: PSYC309E or PSYC444. Formerly PSYC309E. Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology. Click here for sample course syllabus.

0101	Kent Norman	Seats (Total: 36)
	MWF 10:00am - 10:50am	PLS 1129

PSYC450 **Field Research in Organizational Psychology**

PSYC450 Field Research in Organizational Psychology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100, PSYC200 and completion of the departmentally required math and science supporting course sequence. Recommended: PSYC361. Restricted to PSYC majors who have completed 85 credits. Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Kirsten Keller	Seats (Total: 40)
	TuTh 3:30pm - 5:30pm	BPS 1124

PSYC455 **Cognitive Development**

PSYC455 Cognitive Development; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: PSYC200 and {PSYC355 or PSYC341 or PSYC440}.* Theory and research in cognition from a life-span developmental perspective including memory, reasoning, attention, spatial cognition, and conceptual organization, and discussions of implications of current research for a variety of educational interventions. Click here for sample course syllabus.

0101	Amanda Woodward	Seats (Total: 20)
	MW 9:30am - 10:45am	BPS 0283

PSYC465 **Psychology of Organizational Processes**

PSYC465 Psychology of Organizational Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC361 or equivalent. Theories of interpersonal, intra- and inter-group relations, with emphasis on issues of conflict, competition, cooperation and the role of power in organizations. Organizational diagnosis and intervention.

0101	Lois Epp, Paul Hanges	Seats (Total: 40)
	Th 3:30pm - 6:30pm	BPS 0283

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H *(PermReq)* **Field Experience and Special Assignments in Honors; (1-3 credits)** Grade Method: REG/AUD.
Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Steven Brauth	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite:permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

PSYC601 Quantitative Methods I; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 200 or equivalent. A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation. For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Paul Hanges TuTh 9:00am - 11:00am Th 4:30pm - 6:00pm	Seats (Total: 30) BPS 1232 CHM 1224	 Discussion

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 *(PermReq)* **Introduction to Industrial and Organizational Psychology; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 603 or PSYC 730. Formerly PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0101	Michele Gelfand W 9:30am - 12:00pm	Seats (Total: 15) BPS 1103
0102	Cheri Ostroff W 1:30pm - 4:15pm *This section is for LEAD program students only.*	Seats (Total: 20) BPS 1142

PSYC610 **Historical Viewpoints and Current Theories in Psychology**

PSYC610 Historical Viewpoints and Current Theories in Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 610 or PSYC 688. Formerly PSYC688. Origins of psychology in philosophy and the sciences; the development of psychology as a science in the nineteenth and twentieth centuries. A review of current theoretical perspectives and research in relation to the enduring issues in psychology. The role of culture, science, and technology in the development of psychological ideas.

0101	Nancy Hensler M 9:30am - 12:05pm	Seats (Total: 25) BPS 3132

PSYC612 **Theories of Personality**

PSYC612 Theories of Personality; (3 credits) Grade Method: REG/AUD. Scientific requirements for a personality theory. Postulates and relevant research literature for several current personality theories.

0101	Barry Smith Tu 2:30pm - 5:00pm	Seats (Total: 20) BPS 1103

PSYC623 **Child Psychopathology**

PSYC623 Child Psychopathology; (3 credits) Grade Method: REG. *Prerequisite: permission of instructor. For PSYC majors only.* Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

0101	Lea Dougherty Tu 9:30am - 12:00pm	Seats (Total: 10) BPS 1103

PSYC629 **Clinical Laboratory**

PSYC629 Clinical Laboratory; (1-3 credits) Grade Method: S-F.

0101	Andres De Los Reyes TBA	Seats (Total: 10) BPS 2114
0201	Shannon Couture TBA	Seats (Total: 10) BPS 2114
0301	Shannon Couture TBA	Seats (Total: 6) BPS 2114

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology; (1 credit) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC643 **Ethical and Professional Issues in Clinical Psychology**

PSYC643 Ethical and Professional Issues in Clinical Psychology; (3 credits) Grade Method: REG.

Prerequisite: permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 643 or PSYC 719. Formerly PSYC719. An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

0101	Mary Byrne	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	BPS 2114B

PSYC644 **Basic Foundation of Clinical Interventions**

PSYC644 Basic Foundation of Clinical Interventions; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of instructor. For PSYC majors only. General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

0101	Carl Lejuez	Seats (Total: 10)
	W 11:00am - 2:00pm	COL 2130K

PSYC695 **Ethical and Professional Issues in Counseling Psychology**

PSYC695 Ethical and Professional Issues in Counseling Psychology; (3 credits) Grade Method: REG/AUD.
Only open to Counseling Psychology majors. Formerly: EDCP669 and EDCP688. Also offered as EDCP695. Credit will be granted for only one of the following: EDCP669, EDCP688, EDCP695, PSYC688 or PSYC695. Exploration of ethical and professional issues in Counseling Psychology.

0101	Karen O'Brien	Seats (Total: 15)
	M 9:30am - 12:05pm	BPS 2145

PSYC697 **Multicultural Issues**

PSYC697 Multicultural Issues; (3 credits) Grade Method: REG/AUD.
Only open to Counseling Psychology majors. Also offered as EDCP697. Credit will be granted for only one of the following: EDCP697, EDCP699, or PSYC697. Formerly EDCP699. Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Nazish Salahuddin	Seats (Total: 10)
	Tu 1:00pm - 4:00pm	BPS 2145

PSYC698 **Advanced Didactic-Practicum in Counseling Psychology**

PSYC698 Advanced Didactic-Practicum in Counseling Psychology; (3 credits) Grade Method: S-F.

0101	Charles Gelso	Seats (Total: 15)
	W 1:00pm - 4:00pm	BPS 1112

PSYC700 **Theories and Strategies of Counseling Psychology**

PSYC700 Theories and Strategies of Counseling Psychology; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: PSYC 700 or PSYC 711. Formerly PSYC711. Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dyadic and group interrelationships.

0101	Clara Hill M 1:30pm - 4:30pm	Seats (Total: 8) BPS 2145

PSYC709 **Seminar in Mathematical Models**

PSYC709 Seminar in Mathematical Models; (3 credits) Grade Method: REG/AUD.

0101	Thomas Wallsten W 1:00pm - 4:00pm	Seats (Total: 10) BPS 1103

PSYC738 **Seminar in Industrial/Organizational Psychology**

PSYC738 Seminar in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff M 1:00pm - 3:35pm	Seats (Total: 15) BPS 3141

PSYC742 **Group Processes**

PSYC742 Group Processes; (3 credits) Grade Method: REG/AUD.
Research and theory concerning a) intra-group behavior, including topics such as group formation, conformity, group task performance and decision-making, minority influence, and jury decision-making, and b) inter-group behavior, including the processes of social categorization, stereotype development and change, and issues of prejudice and discrimination.

0101	Charles Stangor W 10:00am - 12:30pm	Seats (Total: 10) BPS 3132

PSYC749 **Current Research in Social Psychology**

PSYC749 Current Research in Social Psychology; (1-3 credits) Grade Method: REG/AUD.

0101	Harold Sigall M 4:00pm - 6:30pm	Seats (Total: 20) BPS 3132

PSYC764 **Comparative Neuroanatomy**

PSYC764 Comparative Neuroanatomy; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor.* Demonstrations and lectures on the gross, microscopic and ultrastructural morphology of the central nervous system of vertebrates.

0101	William Hodos	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	BPS 3132

PSYC778D **Seminar in Learning and Memory; Decision and Memory**

PSYC778D Seminar in Learning and Memory: Decision and Memory; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC671

0101	Michael Dougherty	Seats (Total: 12)
	Tu 10:00am - 12:30pm	BPS 1112

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789D **Special Research Problems; Research Methods in Developmental Psychology**

PSYC789D Special Research Problems: Research Methods in Developmental Psychology; (3 credits) Grade Method: REG/AUD.

0101	Jude Cassidy	Seats (Total: 10)
	Th 2:00pm - 4:30pm	BPS 0150

PSYC798L **Graduate Seminar; The Biopsychology of Aggression**

PSYC798L Graduate Seminar: The Biopsychology of Aggression; (3 credits) Grade Method: REG/AUD.

0101	Jens Herberholz	Seats (Total: 18)
	W 10:00am - 12:30pm	BPS 1112

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC819B **Seminar in Personality and Development; Advanced Topics in Attachment Theory and Research**

PSYC819B Seminar in Personality and Development: Advanced Topics in Attachment Theory and Research; (3 credits) Grade Method: REG/AUD.
Also offered as NACS728C.

0101	Jude Cassidy	Seats (Total: 10)
	Th 1:00pm - 3:30pm	BPS 0150

PSYC888 **Research Methods in Psychology**

PSYC888 Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0401	Harold Sigall	Seats (Total: 20)
	M 4:00pm - 5:30pm	BPS 1103

PSYC888D **Research Methods in Psychology; Cognitive Electrophysiology Seminar**

PSYC888D Research Methods in Psychology: Cognitive Electrophysiology Seminar; (1 credit) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 10)
	Th 12:00pm - 1:00pm	BPS 2109

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD.

0201	Michael Dougherty	Seats (Total: 10)
	F 11:00am - 11:50am	BPS 1234

PSYC889A **Research Methods in Psychology; Developmental Seminar**

PSYC889A *(PermReq)* **Research Methods in Psychology: Developmental Seminar; (1-2 credits)** Grade Method: REG/AUD.

0101	Amanda Woodward	Seats (Total: 15)
	Tu 12:00pm - 1:15pm	BPS 1142

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Fall 2008

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Corequisite: CPSP118P. Restricted to College Park Scholars Public Leadership. Freshman standing. This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	David Crocker M 10:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion
0201	David Crocker M 10:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion
0301	David Crocker M 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion

PUAF202 **Contemporary Issues in Leadership and Public Policy**

PUAF202 *(PermReq)* **Contemporary Issues in Leadership and Public Policy; (1 credit)** Grade Method: REG/P-F/AUD.
Open only to students in the Rawlings Undergraduate Leadership Fellows Program. Sophomore standing. Students will examine public policy and social justice issues in the community and state. Students hear from local elected officials, leaders of non-profit organizations, members of state and county agencies, and faculty from the School of Public Policy.

0101	Robert Waters W 4:00pm - 5:15pm	Seats (Total: 25) TLF 1126	

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 *(PermReq)* **Leadership: Philosophy, Policy and Praxis; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to members of the Rawlings Undergraduate Leadership Fellows Program. Prerequisite: PUAF202. Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	Georgia Sorenson, Michael Harvey W 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 25) TLF 1103	

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.
Also offered as BSOS349.

0101	Nina Harris	Seats (Total: 5)
	Contact instructor or department for details.	

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359C.

0101	Gerard Evans	Seats (Total: 55)
	M 2:00pm - 4:35pm	COL 3109

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359W.

0101	Frances Glendening	Seats (Total: 25)
	W 4:15pm - 6:45pm	TLF 0101

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course. Also offered as BSOS396.

0101	Nina Harris	Seats (Total: 10)	
	Contact instructor or department for details.		

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Madiha Afzal	Seats (Total: 25)	
	M 9:15am - 11:45am	VMH 1207	
	F 1:30pm - 4:00pm	VMH 1207	Discussion
0201	Madiha Afzal	Seats (Total: 25)	
	M 7:00pm - 9:30pm	VMH 1207	
	W 7:00pm - 9:30pm	VMH 1207	Discussion
0301	Madiha Afzal	Seats (Total: 25)	
	W 4:15pm - 6:45pm	VMH 1207	
	M 1:30pm - 4:15pm	VMH 1207	Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Mark Lopez Th 7:00pm - 9:30pm Contact instructor or department for details.	Seats (Total: 20) VMH 1203
0201	Rachel Franklin Th 4:15pm - 6:45pm Contact instructor or department for details.	Seats (Total: 20) VMH 1207

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	David Falk Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203
0201	I M Mac Destler TuTh 10:40am - 11:55am	Seats (Total: 25) VMH 1203
0401	I M Mac Destler TuTh 9:15am - 10:30am	Seats (Total: 25) VMH 1203

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Randi Hjalmarsson Th 1:30pm - 4:00pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0201	Randi Hjalmarsson Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm *The discussion is optional.*	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0301	Randi Hjalmarsson Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie Tu 7:00pm - 9:30pm Th 7:00pm - 9:30pm	Seats (Total: 25) VMH 1203 VMH 1107	 Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Chloe Schwenke Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101
0201	Thomas Hilde Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0301	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0401	Robert Wachbroit, Mark Sagoff W 9:15am - 11:45am	Seats (Total: 20) VMH 1101

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices. Prerequisites PUAF 610 and 640.

0101	Tracy Gordon W 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**
Contact department for information to register for this course.

PUAF698A **Selected Topics in Public Affairs; Growth Managment: Land Use, Enviromental and Community Planning**

Contact department for information to register for this course.

PUAF698B **Selected Topics in Public Affairs; Restoration of the Chesapeake Bay**

PUAF698B Selected Topics in Public Affairs: Restoration of the Chesapeake Bay; (3 credits) Grade Method: REG/AUD.

0101	Gerald Winegrad M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1101

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits) Grade Method: REG/AUD.

NG01	William Nolte Tu 3:30pm - 6:15pm	Seats (Total: 25) Location: TBA

PUAF698E **Selected Topics in Public Affairs; Proseminar in Politics, Philosophy and Public Policy**

PUAF698E Selected Topics in Public Affairs: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Also offered as PHIL688P.

0101	Karol Soltan, Alec Walen Tu 12:30pm - 3:15pm	Seats (Total: 15) VMH 1107

PUAF698I **Selected Topics in Public Affairs; The Politics and Policy of Education Reform**

PUAF698I Selected Topics in Public Affairs: The Politics and Policy of Education Reform; (3 credits) Grade Method: REG/AUD.

0101	Gail Sunderman M 4:15pm - 6:50pm	Seats (Total: 20) VMH 2101F

PUAF698L **Selected Topics in Public Affairs**

Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

PUAF698N Selected Topics in Public Affairs: Intelligence and National Security; (3 credits) Grade Method: REG/AUD.

0101	William Nolte	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1101

PUAF698Q **Selected Topics in Public Affairs; Democracy and Democratization**

PUAF698Q Selected Topics in Public Affairs: Democracy and Democratization; (3 credits) Grade Method: REG/AUD.

0101	David Crocker	Seats (Total: 20)
	Th 1:30pm - 4:00pm	VMH 1101

PUAF698R **Selected Topics in Public Affairs; Development Challenges**

PUAF698R Selected Topics in Public Affairs: Development Challenges; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	M 1:30pm - 4:05pm	VMH 1203

PUAF698T **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698V **Selected Topics in Public Affairs; Managing Social Services**

PUAF698V Selected Topics in Public Affairs: Managing Social Services; (3 credits) Grade Method: REG.
For PUAF majors only or permission of department.

0101	Charles Short	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 1107

PUAF698X **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699H **Selected Topics Public Policy**
Contact department for information to register for this course.

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**

PUAF699L Selected Topics Public Policy: Leading and Motivating People; (1-3 credits) Grade Method: REG/AUD.

0101	Carol Pearson Tu 1:30pm - 4:00pm	Seats (Total: 22) VMH 1101

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytic Methodology**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**
Contact department for information to register for this course.

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Jacques Gansler M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1107
0201	Kenneth Apfel M 1:30pm - 4:05pm	Seats (Total: 18) VMH 1107

PUAF712 **Analysis of Fiscal Conditions**

PUAF712 Analysis of Fiscal Conditions; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

0101	Marita Brown Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF715 **Government and Non-Profit Accounting**
Contact department for information to register for this course.

PUAF716 **State and Local Government Budgeting**

PUAF716 State and Local Government Budgeting; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. State and local government practices as a laboratory for studying public sector financial management.

0101	Marita Brown W 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF717 **Federal Budgeting: Policy and Process**

Contact department for information to register for this course.

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD. *Prerequisite: For PUAF majors only or permission of department.* Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1107

PUAF722 **Terrorism and Democracy**

Contact department for information to register for this course.

PUAF724 **Problems of Global Security**

Contact department for information to register for this course.

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD. *For PUAF majors only.* Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Kenneth Apfel	Seats (Total: 18)
	Tu 4:15pm - 6:45pm	VMH 1207

PUAF735 **Health Policy**

PUAF735 Health Policy; (3 credits) Grade Method: REG/AUD.
Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Jack Meyer	Seats (Total: 24)	
	Th 7:00pm - 9:30pm	VMH 2101F	

PUAF741 **Global Environmental Problems**

PUAF741 Global Environmental Problems; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Nathan Hultman	Seats (Total: 20)	
	Tu 4:15pm - 6:45pm	VMH 1203	
	Tu 7:00pm - 9:30pm	VMH 1107	Discussion

PUAF742 **Environmental Ethics**

PUAF742 Environmental Ethics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Analyzes issues such as the relation between human beings and nature from the perspectives of the science, history, philosophy, and religion. Considers the bases for policies such as environmental regulation, public lands, and international conventions with respect to the environment.

0101	Thomas Hilde	Seats (Total: 20)	
	W 4:15pm - 6:45pm	VMH 1101	

PUAF744 **Environment and Development**

PUAF744 Environment and Development; (3 credits) Grade Method: REG/AUD.
Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Thomas Hilde	Seats (Total: 24)
	Th 4:15pm - 6:45pm	VMH 1107

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	VMH 1203

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 1203

PUAF770 **Seminar in Housing and Community Development Strategies**
Contact department for information to register for this course.

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF773 **Housing Clinic**
Contact department for information to register for this course.

PUAF774 **Asset Management**
Contact department for information to register for this course.

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD. *For PUAF majors only or permission of department.* Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Carmen Reinhart	Seats (Total: 20)	
	M 4:15pm - 6:45pm W 7:00pm - 9:30pm	VMH 1207 VMH 1107	Discussion

PUAF790 **Project Course**
Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798C **Readings in Public Policy; International Law and Institutions**

PUAF798C Readings in Public Policy: International Law and Institutions; (3 credits) Grade Method: REG/AUD.

0101	Daniel Levine	Seats (Total: 20)
	W 1:30pm - 4:00pm	VMH 1101

PUAF798J **Readings in Public Policy; Contemporary Water Resources Management**

PUAF798J Readings in Public Policy: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as ENCE688J and ENPP620. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway	Seats (Total: 20)
	M 5:00pm - 7:35pm	EGR 1102

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2008

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG.
For RDEV majors only or permission of the department.

0101	Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688B **Selected Topics in Real Estate Development; Fundamentals of Real Estate Finance**

RDEV688B Selected Topics in Real Estate Development: Fundamentals of Real Estate Finance; (3 credits) Grade Method: REG.
Not open to students who have completed URSP664. An introduction in real estate finance and addresses basic finance concepts. Requires familiarity with financial calculator or Excel functions in preparing pro formas.

0101	Robert Rosenfeld M 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688C **Selected Topics in Real Estate Development; Essentials of Design and Construction Management**

RDEV688C Selected Topics in Real Estate Development: Essentials of Design and Construction Management; (3 credits) Grade Method: REG.

0101	Steven Shapiro Tu 7:00pm - 9:40pm	Seats (Total: 27) ARC 1103
RD01	Steven Shapiro Tu 7:00pm - 9:40pm	Seats (Total: 3) ARC 1103

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.

0101	Charles Field W 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Margaret McFarland Contact instructor or department for details.	Seats (Total: 15)
0102	Mary Konsoulis Contact instructor or department for details.	Seats (Total: 15)
0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)

RDEV688K **Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers**

RDEV688K *(PermReq)* **Selected Topics in Real Estate Development: Tax and Accounting for Real Estate Developers; (3 credits)** Grade Method: REG/AUD. For RDEV majors only or permission of the Department.

0101	David Kessler, Ivan Silverman W 7:00pm - 9:40pm	Seats (Total: 27) ARC 1125
RD01	David Kessler, Ivan Silverman W 7:00pm - 9:40pm	Seats (Total: 3) ARC 1105

RDEV688M **Selected Topics in Real Estate Development; Asset Mangement for Commercial Properties**

RDEV688M *(PermReq)* **Selected Topics in Real Estate Development: Asset Mangement for Commercial Properties; (3 credits)** Grade Method: REG/AUD. For RDEV majors only or permission of the Department.

0101	Herbert Behre Tu 7:00pm - 9:40pm	Seats (Total: 20) ARC 1125

RDEV688O **Selected Topics in Real Estate Development; Property and Asset Management for Federal Privatized Properties**

RDEV688O *(PermReq)* **Selected Topics in Real Estate Development: Property and Asset Management for Federal Privatized Properties; (3 credits)** Grade Method: REG/AUD.

0101	Jacqueline Rogers Contact instructor or department for details.	Seats (Total: 12)

RD01	Jacqueline Rogers Contact instructor or department for details.	Seats (Total: 3)

RDEV688P **Selected Topics in Real Estate Development; Entrepreneurship Basics for Real Estate Developers**

RDEV688P Selected Topics in Real Estate Development: Entrepreneurship Basics for Real Estate Developers; (3 credits) Grade Method: REG/AUD.

0101	James Green Th 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125

RDEV688R **Selected Topics in Real Estate Development; Roots and Rudiments of Affordable Housing**

RDEV688R Selected Topics in Real Estate Development: Roots and Rudiments of Affordable Housing; (3 credits) Grade Method: REG/AUD.

0101	Robert Kenison M 7:00pm - 9:40pm	Seats (Total: 20) ARC 1121

RDEV688V **Selected Topics in Real Estate Development; Enhanced Use Leasing for Federal Properties**

RDEV688V *(PermReq)* **Selected Topics in Real Estate Development: Enhanced Use Leasing for Federal Properties; (3 credits)** Grade Method: REG/AUD.

0101	Jacqueline Rogers Contact instructor or department for details.	Seats (Total: 12)
RD01	Jacqueline Rogers TBA	Seats (Total: 3) ARC 1121

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD. Prerequisites: Permission of the Department Required: Not open to studen ts who completed RDEV689X or RDEV689W.

0101	Michael Daugard, Robert Lefenfeld W 7:00pm - 9:45pm	Seats (Total: 20) ASY 3219

RDEV688Y **Selected Topics in Real Estate Development; Practical Issues in Sustainability for Business, Finance and Real Estate**

RDEV688Y *(PermReq)* **Selected Topics in Real Estate Development: Practical Issues in Sustainability for Business, Finance and Real Estate; (3 credits)** Grade Method: REG/AUD.

0101	Instructor: TBA Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1121

RUSS Russian Fall 2008

RUSS101 **Intensive Elementary Russian I**

RUSS101 Intensive Elementary Russian I; (6 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Russian. Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112. This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence. This course has been put on a timed release system. Seats will be opended gradually by the registrar's office, to a total of 15 seats per section.

0101	Katarzyna Janicka MWF 9:00am - 10:50am	Seats (Total: 15) PLS 1164
0201	Katarzyna Janicka MWF 11:00am - 11:50am TuTh 9:30am - 10:45am	Seats (Total: 15) PLS 1164 EGR 1104

RUSS111 **Elementary Russian I (Non-Intensive)**

RUSS111 Elementary Russian I (Non-Intensive); (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112. Begins the development of the basic skills required for communicative competence in Russian: speaking, listening, writing and reading. RUSS111 and RUSS112 are equivalent to RUSS101: Intensive Elementary Russian I. This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15.

0101	Elizabeth Papazian MWF 1:00pm - 1:50pm	Seats (Total: 15) PLS 1158

RUSS201 **Intermediate Russian I**

RUSS201 Intermediate Russian I; (5 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: RUSS102 or RUSS114 or equivalent. Not open to native speakers of Russian. Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

0101	Zhanna Gerus-Vernola MW 11:00am - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) PLS 1172 PLS 1172

RUSS301 **Advanced Russian I**

RUSS301 Advanced Russian I; (3 credits) Grade Method: REG/AUD.
Prerequisite: RUSS202 or equivalent. Advanced training in written Russian communicative structures.

0101	Marianna Landa MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 2122

RUSS381 **Russian Civilization (in Russian) I**

RUSS381 Russian Civilization (in Russian) I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202. A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet and the theater to the beginning of the 19th century pointing out the interrelationship of all with literary movements. Taught in Russian.

0101	Donald Hitchcock TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

RUSS386 **Experiential Learning**

RUSS386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

RUSS398K **Poetics of Space in Russian Cinema and Culture**

RUSS398K Poetics of Space in Russian Cinema and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Elizabeth Papazian	Seats (Total: 25)
	M 2:00pm - 3:15pm	Location: TBA
	W 2:00pm - 5:00pm	Location: TBA
	This course will meet in HBK Nonprint Media Library Room H. Examines ho the longstanding cultural myths of exploration and conquest are embodie d in the relatively new medium of cinema. Readings from Russian literary tradition, literary and film theory, and Russian and Soviet history. Ta ught in English. A 1-credit Russian discussion section is offered as 499 K for Russian majors and minors.	

RUSS398P **Selected Topics in Russian Language and Literature; Russian Prose and Poetry for Heritage Speakers**

RUSS398P Selected Topics in Russian Language and Literature: Russian Prose and Poetry for Heritage Speakers; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marianna Landa	Seats (Total: 20)
	M 3:30pm - 6:00pm	JMZ 1226

RUSS401 **Advanced Russian Composition**

RUSS401 Advanced Russian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS302.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1211

RUSS409F **Selected Topics in Russian Language Study; Advance Proficiency in Russian**

RUSS409F *(PermReq)* **Selected Topics in Russian Language Study: Advance Proficiency in Russian; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Cynthia Martin	Seats (Total: 10)
	TuTh 9:30am - 10:45am	JMZ 1226

RUSS409V **Selected Topics in Russian Language Study; Verbal Aspect**

RUSS409V Selected Topics in Russian Language Study: Verbal Aspect; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maria Lekic	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 3118

RUSS499 **Independent Study in Russian**

RUSS499 Independent Study in Russian; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS499K **Independent Study in Russian; Discussion in Russian**

RUSS499K Independent Study in Russian: Discussion in Russian; (1-3 credits) Grade Method: REG.
Students registered in RUSS398K only.

0101	Elizabeth Papazian	Seats (Total: 10)
	W 10:00am - 10:50am	JMZ 1123

RUSS618V **Special Topics in Linguistic Analysis of Russian; Verbal Aspect**

RUSS618V Special Topics in Linguistic Analysis of Russian: Verbal Aspect; (3 credits) Grade Method: REG/AUD.

0101	Maria Lekic	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 3118

RUSS679R **Special Topics in Slavic Linguistics; Readings in Old Russian Literature from its Origns to 1700**

RUSS679R Special Topics in Slavic Linguistics: Readings in Old Russian Literature from its Origns to 1700; (3 credits) Grade Method: REG/AUD.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Fall 2008

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA741 **Cognitive Processes in Second Language Learning**

SLAA741 Cognitive Processes in Second Language Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610 or equivalent and permission of instructor. Examines the roles played by varied types of learning processes and memory, general processing issues, and the cognitive bases of individual differences in learning and processing a second language.

0101	Robert De Keyser	Seats (Total: 15)
	Tu 4:30pm - 7:00pm	JMZ 1117

SLAA749P **Special Topics in Second Language Learning; Bilingual Language Processing**

SLAA749P Special Topics in Second Language Learning: Bilingual Language Processing; (3 credits) Grade Method: REG/AUD.

0101	Nan Jiang	Seats (Total: 15)
	Th 4:00pm - 6:30pm	JMZ 1117

SLAA750 **Instructed Second Language Acquisition**

SLAA750 Instructed Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610. Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.

0101	Catherine Doughty	Seats (Total: 15)
	M 12:00pm - 2:40pm	EDU 3236

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (1 credit) Grade Method: REG/AUD.

0101	Robert De Keyser	Seats (Total: 15)
	M 5:30pm - 7:00pm	JMZ 1224

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAV Slavic Fall 2008

SLAV386 **Experiential Learning**

SLAV386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

SLAV479R **Selected Topics in Slavic Linguistics; Reading in Old Russian Literature from its Origins to 1700**

SLAV479R Selected Topics in Slavic Linguistics: Reading in Old Russian Literature from its Origins to 1700; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

SLAV499 **Directed Study**

SLAV499 Directed Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Fall 2008

SLLC472 **International Business Cultures in Engineering and Technology**

SLLC472 *(PermReq)* **International Business Cultures in Engineering and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as ENES472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal of this course is to provide students with an understanding of cultural aspects pertaining to global business and engineering, and thereby increasing their awareness of the cultural factors that motivate decisions and behavior in the business world. Students will gain an understanding of how the business cultures in the rest of the world diverge from the American, and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

0101	Caine Francis	Seats (Total: 30)
	W 2:00pm - 4:30pm	PLS 1119

SLLC601 **Teaching Foreign Languages in Higher Education**

SLLC601 *(PermReq)* **Teaching Foreign Languages in Higher Education; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: SLLC 601 or SPAN 605. Formerly SPAN605. Methods and materials for teaching foreign languages in higher education.

0101	Manel Lacorte M 3:00pm - 4:30pm	Seats (Total: 20) JMZ 0205

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**

SLLC889 Doctoral Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY Sociology Fall 2008

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Prerequisite for other sociology courses.

0101	Larry Hunt TuTh 9:30am - 10:45am	Seats (Total: 60) TYD 1102
0201	Mehrdad Mashayekhi MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309
0301	Anna O'Donnell MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309
0401	Larry Hunt TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213

0501	Joseph Lengermann MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3207	Discussion
0502	Joseph Lengermann MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 ASY 3207	Discussion
0503	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0504	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0505	Joseph Lengermann MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0506	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0507	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3211	Discussion
0508	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3215	Discussion
0509	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3215	Discussion
0601	John Pease TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 20) ASY 2203 ASY 3221	Discussion

0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 17) ASY 2203 ASY 3203	Discussion
0603	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 14) ASY 2203 CCC 1111	Discussion
0604	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 19) ASY 2203 MTH 0201	Discussion
0605	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ARC 1121	Discussion
0606	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0607	John Pease TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 ARC 1125	Discussion
0608	John Pease TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion
0609	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 19) ASY 2203 ASY 3219	Discussion
0701	Mehrdad Mashayekhi MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309	
0801	John Pease MW 3:30pm - 4:45pm	Seats (Total: 50) ASY 2309	
FC01	Ismail Demirezen MW 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 45) ASY 2309	

FC02	Margaret Duffy	Seats (Total: 41)	
	TuTh 7:30pm - 8:45pm	ASY 3203	
	This section is only open to students in Freshmen Connection.		

SOCY100H **Introduction to Sociology**

SOCY100H Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
Open to Honor students only.

0101	Guillermo Cantor	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	ASY 3207	

SOCY100S **Introduction to Sociology**

SOCY100S Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.

0602	John Pease	Seats (Total: 3)	
	TuTh 12:30pm - 1:45pm	ASY 2203	
	F 9:00am - 9:50am	ASY 3203	Discussion
	Restricted to students in College Park Scholars Advocates for Children and American Cultures.		
0603	John Pease	Seats (Total: 6)	
	TuTh 12:30pm - 1:45pm	ASY 2203	
	F 10:00am - 10:50am	CCC 1111	Discussion
	Restricted to CPSP - Science, Technology and Society.		
0604	John Pease	Seats (Total: 1)	
	TuTh 12:30pm - 1:45pm	ASY 2203	
	F 10:00am - 10:50am	MTH 0201	Discussion
	Restricted to students in College Park Scholars Advocated for Children and American Cultures.		

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Cagri Tanyol TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0201	Mary Kniskern TuTh 12:30pm - 1:45pm	Seats (Total: 40) ASY 2309
0301	Daniel Williams MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213
0401	Daniel Williams MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Ramu Bishwakarma TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213
FC01	Michelle Beadle Holder TuTh 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 43) PLS 1130
FC02	Amber Nelson MW 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 48) PLS 1176

SOCY105U **Introduction to Contemporary Social Problems**
Contact department for information to register for this course.

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: AREC484, BIOM301, BMGT230, CNEC400, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, SOCY201, URSP350, or TEXT400. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates. Required for majors.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0102	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 ASY 3217	 Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm W 1:00pm - 2:50pm	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 EDU 1210B	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing. To be taken immediately after SOCY 201. Required for majors.

0101	Kris Marsh TuTh 9:30am - 10:45am M 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0102	Kris Marsh TuTh 9:30am - 10:45am M 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3211	 Lab
0103	Kris Marsh TuTh 9:30am - 10:45am F 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Kris Marsh TuTh 9:30am - 10:45am F 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for sociology majors.

0101	John Ryan TuTh 12:30pm - 1:45pm	Seats (Total: 35) ARC 1105	
0201	John Ryan TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3207	
0301	Amber Nelson MW 2:00pm - 3:15pm	Seats (Total: 35) ASY 3207	

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	J Timleck MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0201	Ismail Demirezen MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Christopher Andrews MW 2:00pm - 3:15pm	Seats (Total: 150) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Carolina Martin MWF 12:00pm - 12:50pm	Seats (Total: 50) ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 11:00am - 12:15pm	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Mehmet Ergun MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Michael Yaksich MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Shinta Hernandez MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Nazneen Kane TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Emily Mann MW 3:00pm - 4:15pm	Seats (Total: 50) PLS 1130

SOCY380 **Honors Independent Reading in Sociology**

SOCY380 *(PermReq)* **Honors Independent Reading in Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly SOCY378. This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	William Falk Contact instructor or department for details.	Seats (Total: 20)

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)**
Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Linda Moghadam M 3:00pm - 5:30pm	Seats (Total: 10) Location: TBA

SOCY398M **Special Topics in Sociology; Microbrewing and Society**

SOCY398M Special Topics in Sociology: Microbrewing and Society; (1 credit) Grade Method: REG/P-F/AUD.

0101	John Robinson	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY401 **Intermediate Statistics for Sociologists**

SOCY401 Intermediate Statistics for Sociologists; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201 or equivalent or permission of department. Not open to students who have completed ENEE324, BMGT231, or STAT400. Issues in the use of significance tests in sociology, one and two-way analysis of variance, elements of multiple regression and correlation, techniques for the analysis of nominal and ordinal data.

0101	Alan Neustadtl	Seats (Total: 23)
	TuTh 2:00pm - 3:15pm	ASY 1101
	Contact instructor or department for details.	

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Julie Park	Seats (Total: 40)
	MWF 10:00am - 10:50am	ASY 3203

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology course work. Formerly SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Steven Martin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 2108

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Anthony Hatch	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	ANS 0412

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 40)
	TuTh 9:30am - 10:45am	ASY 3207

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	J Timleck	Seats (Total: 35)
	MWF 11:00am - 11:50am	ASY 3203

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 99)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Linda Moghadam	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY450 **Measurement of Time, Work, and Leisure**

SOCY450 Measurement of Time, Work, and Leisure; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. How Americans use time, with specific reference to work, housework, personal and free time activities. Time-use differences across methods, social groups and cultures. Subjective time. Implications for time management, societal quality of life, social policy, and theory.

0101	John Robinson	Seats (Total: 40)
	Tu 3:30pm - 6:10pm	ASY 3203

SOCY463 **Sociology of Combat**

SOCY463 Sociology of Combat; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Sociological theories and concepts related to combat. Influence of historical events on relations between nations and between the military and society. Effects of U.S. social structure on actions in combat; effects of involvement in combat on social structure and on members of society. Cohesion and leadership in military units.

0101	David Segal	Seats (Total: 35)
	MW 2:00pm - 3:15pm	ASY 3203

SOCY465 **The Sociology of War**

SOCY465 The Sociology of War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

0101	Meyer Kestnbaum	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY498J **Selected Topics in Sociology; Sociology of the South**

SOCY498J Selected Topics in Sociology: Sociology of the South; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department.

0101	William Falk MW 3:30pm - 4:45pm	Seats (Total: 20) ASY 3215

SOCY601 **Statistics For Sociological Research I**

SOCY601 Statistics For Sociological Research I; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 201 or equivalent, and permission of instructor or graduate director. Credit will be granted for only one of the following: SOCY 601 and SURV 601. Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used. Also offered as SURV 601.

0101	Steven Martin TuTh 2:00pm - 3:15pm	Seats (Total: 20) ASY 3221

SOCY604 **Survey Research Methods**

SOCY604 Survey Research Methods; (3 credits) Grade Method: REG/AUD.
The design, collection, and analysis of data using the method of the social survey. Comparison of the advantages and disadvantages of the survey method with those of other methods of social inquiry. Control over the major sources of survey variation: survey mode, sampling, questionnaire format, question wording, interviewing and coding. Measurement and multivariate analysis alternatives.

0101	John Robinson M 3:30pm - 6:10pm	Seats (Total: 20) ASY 1117

SOCY620 **Development of European and American Sociological Theory**

SOCY620 Development of European and American Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 203 or SOCY 403 or equivalent, or permission of instructor.
Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills). Restricted to SOCY majors only.

0101	Roberto Korzeniewicz W 6:30pm - 9:20pm	Seats (Total: 15) ASY 1101

SOCY622 **The Sociology of Knowledge**

SOCY622 The Sociology of Knowledge; (3 credits) Grade Method: REG/AUD. Analysis of the relation of types of knowledge to social structure. Role of social class and social organization in the development of science, political ideology, belief systems and social values. Social roles associated with production of knowledge.

0101	Patricia Collins	Seats (Total: 10)
	Tu 3:30pm - 6:10pm	ASY 1117

SOCY624 **Lives and Times: Socialization Across the Life Course**

SOCY624 Lives and Times: Socialization Across the Life Course; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. The life course as a theoretical perspective, a methodology, and a field of study, with focus on the intersection of human development and changing societies; development of individual life course trajectories: the life course and institutional contexts; using a life course lens to examine various substantive topics.

0101	Melissa Milkie	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1117

SOCY630 **Population and Society**

SOCY630 Population and Society; (3 credits) Grade Method: REG/AUD. Selected problems in the field of population; quantitative and qualitative aspects; American and world problems.

0101	Sonalde Desai	Seats (Total: 20)
	Th 3:30pm - 6:10pm	ASY 1101

SOCY637 **Demography Of The Labor Force**

SOCY637 Demography Of The Labor Force; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Demographic trends as related to the composition of the U.S. labor force and trends in income; employment status of immigrants, women, and minorities; relationship between skills and jobs; types of data available for study of the labor force.

0101	Suzanne Bianchi W 3:30pm - 6:10pm	Seats (Total: 20) ASY 2115

SOCY664 **Armed Forces and Society**

SOCY664 Armed Forces and Society; (3 credits) Grade Method: REG/AUD. Analysis of the relationship between military organization and modern industrial society. Growth and decline of the mass army, the transition from conscription to all-volunteer forces, the social legitimacy of military organization, the military as a form of industrial organization, and problems of civil-military relations in the modern world.

0101	David Segal Tu 3:30pm - 6:10pm	Seats (Total: 20) ASY 1101

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Sociology Teaching Assistants Seminar**

SOCY699A Special Social Problems: Sociology Teaching Assistants Seminar; (1 credit) Grade Method: REG/AUD.

0101	Linda Moghadam M 12:00pm - 12:50pm	Seats (Total: 20) ASY 1117

SOCY699J **Special Social Problems; World System Approaches**

SOCY699J Special Social Problems: World System Approaches; (3 credits) Grade Method: REG/AUD.

0101	Roberto Korzeniewicz Tu 6:30pm - 9:10pm	Seats (Total: 20) ASY 1101

SOCY699K **Special Social Problems; Statest and Politics**

SOCY699K Special Social Problems: Statest and Politics; (3 credits) Grade Method: REG/AUD.

0101	Meyer Kestnbaum Th 3:30pm - 6:10pm	Seats (Total: 20) ASY 1117

SOCY699N **Special Social Problems; Power, Status, and Leadership in Groups**

SOCY699N Special Social Problems: Power, Status, and Leadership in Groups; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lucas W 9:00am - 11:40am	Seats (Total: 20) ASY 1101

SOCY699P **Special Social Problems; Pro-Seminar in Sociology**

SOCY699P Special Social Problems: Pro-Seminar in Sociology; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Lucas M 1:00pm - 1:50pm	Seats (Total: 20) ASY 1117

SOCY729G **Advanced Special Topics in Substantive Theory; Theories of Globalization**

SOCY729G Advanced Special Topics in Substantive Theory: Theories of Globalization; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer M 3:30pm - 6:10pm	Seats (Total: 20) ASY 1101

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Melissa Milkie	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Harriet Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Suzanne Bianchi	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	Mady Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman Contact instructor or department for details.	Seats (Total: 10)

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Fall 2008

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed SPAN101, SPAN102, more than two years of high school Spanish, or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Recommended for students who have completed Level 2 with a grade of A or B, or Level 3 with a grade of C or below in high school, or the first semester of college Spanish at another institution. Limited exceptions may be granted for students with weak preparations or several years lapse since study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, in JMZ 2202.

0101	Elisabeth Arevalo-Guerrero MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 1215
0201	Elisabeth Arevalo-Guerrero MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0208 JMZ 1215

0301	Elisabeth Arevalo-Guerrero MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 0103
0401	Elisabeth Arevalo-Guerrero MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2123
0501	Maria Antola MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2123
0601	Mohamad Esmaili MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123
0701	Anthony Barilla MWF 11:00am - 11:50am Tu 11:00am - 11:50am *This course is restricted to First Time Freshman and First Time Transfe s.*	Seats (Total: 25) JMZ 1215 JMZ 1224

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103 or equivalent. Not open to students who have completed four years of high school Spanish or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN201 or SPAN203. Formerly SPAN201.
Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Goretti Prieto Botana MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 2123 JMZ 0122
0201	Emelina Hoyos MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 1215
0301	Maria Rosenblat MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 3120 JMZ 2117

0401	Maria Rosenblat MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 2120 JMZ 1117
0501	Emelina Hoyos MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 2123 JMZ 0122
0601	Emelina Hoyos MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122
0701	Rachael Shade MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122
0801	Christina Gentile MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0122
0901	Christina Gentile MWThF 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0122
1001	Gustavo Chaves MWThF 1:00pm - 1:50pm *This course is restricted to First Time Freshman and First Time Transfe s.*	Seats (Total: 25) ARM 0117

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203 (formerly SPAN201); or high school level 4 or 5 with a grade of A or B; or permission of department. Not open to students who have completed SPAN202 or to native/fluent speakers of Spanish. Credit will be granted for only one of the following: SPAN202 or SPAN204. Formerly SPAN202. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Kathryn Taylor MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1117
0201	Diego Panasiti MWF 11:00am - 11:50am	Seats (Total: 25) MTH 1308

0301	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208
0401	Christina Gentile MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0501	Christine Willie MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0208

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Native or near native knowledge of oral Spanish and no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting. Offered fall only.

0101	Dolores Lima MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0201	Dolores Lima MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203; or permission of department. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Sofia Calzada-Orihuela MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Sofia Calzada-Orihuela MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1120

0401	Megan Gilmore MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207
0501	Megan Gilmore MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125

SPAN234 **Issues in Latin American Studies I**

SPAN234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana MWF 10:00am - 10:50am	Seats (Total: 45) JMZ 2206

SPAN234H **Issues in Latin American Studies I**

SPAN234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Open to Honor students only.

0101	Ivette Rodriguez-Santana MWF 10:00am - 10:50am	Seats (Total: 5) JMZ 2206

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN204. Recommended: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1117

0201	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1117
0301	Maria Campero MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0122
0401	Laura Quijano MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215
0501	Rocio Gordon MF 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) JMZ 3120 JMZ 0118
0601	Ana Acedo Garcia MWF 11:00am - 11:50am *This section requires departmental permission.*	Seats (Total: 20) JMZ 1103

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1103
0201	Norman Gonzalez MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1120
0301	Norman Gonzalez MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0205

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. In Spanish.

0101	Mehl Penrose M 3:00pm - 3:50pm WF 3:00pm - 3:50pm	Seats (Total: 25) JMZ 1120 JMZ 0205

SPAN311 **Advanced Conversation I**

SPAN311 Advanced Conversation I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN204 or SPAN211 or permission of department. Not open to native/fluent speakers of Spanish. Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations. Course chair: staff.

0101	Dolores Lima MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2206
0201	Maria Campero MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0122
0301	Ivette Rodriguez-Santana MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1124
0401	Rocio Gordon MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1215

SPAN315 **Commercial Spanish I**

SPAN315 Commercial Spanish I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 or permission of department. Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish business environments. Offered fall only.

0101	Carmen Ruzza TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1124

0201	Carmen Ruzza TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 1124
0301	Carmen Ruzza TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1124
0401	Anthony Barilla TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1215
0501	Anthony Barilla TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 1215

SPAN316 **Practicum in Translation I**

SPAN316 *(PermReq)* **Practicum in Translation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and permission of department. Translation of non-literary, non-technical texts into Spanish and/or English. Offered fall only.

0101	Alejandra Echazu TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2207
0201	Alejandra Echazu TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2207
0301	Cristina Burneo TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2207
0401	Cristina Burneo TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2207

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN325 or SPAN321. Credit will be granted for only one of the following: SPAN321, SPAN325, or SPAN331. The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. In Spanish.

0101	Hernan De Pinillos MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2206

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. In Spanish.

0101	Jose Naharro-Calderon TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 3205

SPAN356 **Literary Translation I**

SPAN356 Literary Translation I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN317 or permission of department. Translation of literary texts into Spanish and/or English: narrative.

0101	Anthony Barilla MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2120

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

SPAN361 Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN323 or SPAN346. Credit will be granted for only one of the following: SPAN361, SPAN323, or SPAN346. Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. In Spanish.

0101	Sandra Cypess MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0118

0201	Carolina Gomez-Montoya MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2207
0301	Eyda Merediz TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3120

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. In Spanish.

0101	Maria Munoz MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3205
0201	Ana Rodriguez TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1122

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Previous permission by the instructor is required for enrollment in this course.

Contact department for information to register for this course.

SPAN408L **Great Themes of the Hispanic Literatures; Contemporary Hispanic Caribbean Bodies**

SPAN408L Great Themes of the Hispanic Literatures: Contemporary Hispanic Caribbean Bodies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Juan Carlos Quintero-Herencia TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 3203

SPAN408M **Great Themes of the Hispanic Literatures; Women and War in Latin America**

SPAN408M Great Themes of the Hispanic Literatures: Women and War in Latin America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sandra Cypess MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 1124

SPAN408N **Great Themes of the Hispanic Literatures; The Spanish Civil War and its Aftermath**

SPAN408N Great Themes of the Hispanic Literatures: The Spanish Civil War and its Aftermath; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jose Naharro-Calderon TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMZ 2206

SPAN408O **Great Themes of the Hispanic Literatures; US Latino**

SPAN408O Great Themes of the Hispanic Literatures: US Latino; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Rodriguez TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 3205

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**

SPAN425 Introduction to Hispanic Linguistics I: Basic Concepts; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 or equivalent or permission of department. This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities.

0101	Ana Acedo Garcia	Seats (Total: 20)
	TuTh 4:30pm - 5:45pm	JMZ 3120

SPAN479 **Honors Thesis**
Contact department for information to register for this course.

SPAN495 **Honors Reading**

SPAN495 Honors Reading; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admittance to Spanish and Portuguese Honors or permission of department. Supervised reading.

Contact department for information to register for this course.

SPAN698Q **Masterpieces of Hispanic Literatures; Cervantes**

SPAN698Q Masterpieces of Hispanic Literatures: Cervantes; (3 credits) Grade Method: REG.

0101	Hernan De Pinillos	Seats (Total: 10)
	W 4:30pm - 7:00pm	JMZ 1224

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN798Q **Open Seminar; Modernism**

SPAN798Q Open Seminar: Modernism; (3 credits) Grade Method: REG/AUD.

0101	Melinda Kirkpatrick Th 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2123

SPAN798R **Open Seminar; Atlantic Geneologies: Las Casas through the Centuries**

SPAN798R Open Seminar: Atlantic Geneologies: Las Casas through the Centuries; (3 credits) Grade Method: REG/AUD.

0101	Eyda Merediz Tu 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2123

SPAN798T **Open Seminar; Spanish Romanticism**

SPAN798T Open Seminar: Spanish Romanticism; (3 credits) Grade Method: REG/AUD.

0101	Mehl Penrose M 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3120

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Fall 2008

SPHL287 **Adult Health and Development Program**

SPHL287 Adult Health and Development Program; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Not open to students who have completed HLTH487. Credit will be granted for only one of the following: HLHP287, HLTH487, or SPHL287. Formerly HLHP287.
Application of gerontological health and well-being theories in a one-to-one interaction with older institutionalized and non-institutionalized adults. Students act as "coaches" with adults, while learning about the historical and cultural aspects of aging and old age, and their implications for assisting elderly adults. First class meetings: September 6, September 13 from 8:30am-1:30pm. Remainder of classes: 8:30am- 1:30pm. All students must attend the first training session.

0101	Sharon Simson, Maushami DeSoto	Seats (Total: 60)
	Sa 8:30am - 1:30pm	SPH 1312

SPHL498A **Special Topics in Public Health; Introduction to Global Health**

SPHL498A Special Topics in Public Health: Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD.
Junior Standing.

0101	Muhiuddin Haider	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	SPH 1301

SPHL688 **Field Work in Aging**

SPHL688 *(PermReq)* **Field Work in Aging; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL698A **Special Topics in Public Health; Introduction to Global Health**

SPHL698A Special Topics in Public Health: Introduction to Global Health; (3 credits) Grade Method: REG/AUD.
An exploration of theoretical freamework and practical perspectives on a variety of global health issues and their possible prevention and solu tions.

0101	Muhiuddin Haider Tu 5:00pm - 7:30pm	Seats (Total: 20) SPH 1301

STAT Statistics and Probability Fall 2008

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Nathaniel Strawn MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0304
0102	Natalia Tchetcherina MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0307
0103	Benjamin Sibley MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0409
0104	Sean Barnes MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0106
0105	Damon Gulczynski MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0303
0201	Nathaniel Strawn MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0304

0202	Natalia Tchetcherina MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0306	
0203	Benjamin Sibley MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0409	
0204	Sean Barnes MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0302	
0205	Damon Gulczynski MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0303	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	John Millson TuTh 12:30pm - 1:45pm M 8:00am - 9:15am	Seats (Total: 32) ARM 0126 MTH 0105	Discussion
0121	John Millson TuTh 12:30pm - 1:45pm M 8:00am - 9:15am	Seats (Total: 32) ARM 0126 MTH 0411	Discussion
0131	John Millson TuTh 12:30pm - 1:45pm M 11:00am - 12:15pm	Seats (Total: 32) ARM 0126 MTH 0411	Discussion
0132	John Millson TuTh 12:30pm - 1:45pm M 11:00am - 12:15pm	Seats (Total: 32) ARM 0126 MTH B0425	Discussion

0141	John Millson TuTh 12:30pm - 1:45pm M 1:00pm - 2:15pm	Seats (Total: 34) ARM 0126 HBK 0103	Discussion
0142	John Millson TuTh 12:30pm - 1:45pm M 1:00pm - 2:15pm	Seats (Total: 34) ARM 0126 ARM 0103	Discussion
0151	John Millson TuTh 12:30pm - 1:45pm M 3:00pm - 4:15pm	Seats (Total: 32) ARM 0126 MTH 0407	Discussion
0152	John Millson TuTh 12:30pm - 1:45pm M 3:00pm - 4:15pm	Seats (Total: 32) ARM 0126 MTH 0409	Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 1313	
0201	Casey Cremins MWF 1:00pm - 1:50pm	Seats (Total: 30) EGR 0135	

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0105
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 30) MTH 0105

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0104
0201	Eric Slud MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0421

STAT440 **Sampling Theory**

STAT440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Also offered as SURV440. Credit will be granted for only one of the following: STAT440 or SURV440. Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Michael Sverchkov MW 5:00pm - 6:15pm	Seats (Total: 30) MTH 0411

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: One semester of calculus. Not acceptable for credit towards degrees in mathematics or statistics. Junior standing.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Casey Cremins	Seats (Total: 39)
	TuTh 11:00am - 12:15pm	ARM 0117

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

STAT600 Probability Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410.* Probability space, classes of events, construction of probability measures. Random variables, convergence theorems, images of measures. Independence. Expectation and moments, Lebesque integration, spaces, Radon-Nikodym and LP theorem, singular and absolutely continuous measures. Conditional expectations, existence of regular distributions, applications. Probabilities on product spaces, Fubini theorem, Kolmogorov extension theorem, Tulcea product theorem.

0101	Leonid Koralov	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	MTH B0421

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698F **Selected Topics in Probability**

STAT698F Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD.

0101	Mark Freidlin	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 1311

STAT700 **Mathematical Statistics I**

STAT700 Mathematical Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410 or equivalent.* Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation. Offered fall only.

0101	Eric Slud	Seats (Total: 30)
	MW 5:00pm - 6:15pm	MTH 0201

STAT710 **Advanced Statistics I**

STAT710 Advanced Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 421. Recommended corequisite: STAT 600.* Statistical decision theory. Neyman-Pearson lemma and its extensions. Uniformly most powerful test. Monotone likelihood ratio. Exponential families of distributions, concepts of similiarity, and tests with Neyman structure. Unbiased tests and applications to normal families.

0101	Abram Kagan	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 2300

STAT740 **Linear Statistical Models I**

STAT740 Linear Statistical Models I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700.* Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Paul Smith	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 0302

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT798Z **Selected Topics in Statistics; Small Area Estimation**

STAT798Z Selected Topics in Statistics: Small Area Estimation; (3 credits) Grade Method: REG/AUD.
Also offered as SURV798Z. Click here for more course information.

0101	Partha Lahiri	Seats (Total: 14)
	F 2:45pm - 5:15pm	LEF 1218

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Fall 2008

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems. Also offered as STAT 410.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0105
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 30) MTH 0105

SURV440 **Sampling Theory**

SURV440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Not open to students who have completed STAT440. Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling. Also offered as STAT 440.

0101	Michael Sverchkov MW 5:00pm - 6:15pm	Seats (Total: 30) MTH 0411

0201	James Lepkowski	Seats (Total: 20)
	Meets September 8, 2008 - December 12, 2008	
	MW 1:00pm - 2:30pm	LEF 1208
	This section was requested to be offered only for the SURV department who will be sharing this section with UMICH as part of their joint program. Any questions should be directed to Suzanne Baer.	

SURV615 **Statistical Methods I**

SURV615 Statistical Methods I; (3 credits) Grade Method: REG/AUD.
Prerequisite: two course sequence in probability and statistics or equivalent. First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis. It runs concurrently with the University of Michigan course.

0101	Richard Valliant	Seats (Total: 20)
	Meets September 3, 2008 - December 12, 2008	
	W 3:30pm - 6:10pm	LEF 1208

SURV623 **Data Collection Methods in Survey Research**

SURV623 Data Collection Methods in Survey Research; (3 credits) Grade Method: REG/AUD.
Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Frederick Conrad	Seats (Total: 25)
	Meets September 8, 2008 - December 12, 2008	
	M 3:00pm - 6:00pm	LEF 1208
	This section will be co-taught by Couper and Conrad. It runs concurrently with the University of Michigan course.	
0201	Douglas Currivan	Seats (Total: 10)
	Meets September 2, 2008 - December 11, 2008	
	Tu 3:30pm - 6:15pm	LEF 1218
	This section will be co-taught by Cantor and Currivan.	

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Rachel Caspar, David Cantor	Seats (Total: 20)
	F 1:00pm - 4:00pm	LEF 2208

SURV632 **Social and Cognitive Foundations of Survey Measurement**

SURV632 Social and Cognitive Foundations of Survey Measurement; (3 credits) Grade Method: REG/AUD.
Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

0101	Frederick Conrad	Seats (Total: 20)
	Tu 3:00pm - 5:40pm	LEF 1208

SURV641 **Survey Practicum II**

SURV641 Survey Practicum II; (2 credits) Grade Method: REG.
Prerequisite: SURV620. SURV620 and SURV641 must be taken in consecutive semesters. For SURV majors only. Credit will be granted for only one of the following: SURV621 or SURV641. Formerly SURV621. Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and anlysis.

0101	Katharine Abraham	Seats (Total: 20)
	Tu 3:30pm - 5:30pm	LEF 2208

SURV672 **Introduction to the Federal Statistical System and the Survey Research Profession**

SURV672 Introduction to the Federal Statistical System and the Survey Research Profession; (1 credit) Grade Method: S-F.
Restricted to JPSM degree seeking student. Formerly:SURV670 and SURV671. Credit will be granted for only one of the following: SURV670 and SURV671; or SURV672. The U.S. statistical system and its goals are reviewed. The federal statistical agencies are described, and their primary missions and data collections are examined. The statistical systems of other countries are compared with the U.S. system. Organizational and budgetary aspects are presented. Students will learn about organizations and groups outside of the Federal Statistical System that affect the actions of the System. These include other governmental units, professional associations, and advisory groups created by the agencies themselves. Students will review current laws regarding privacy and confidentiality affecting government agency work and consider a variety of ethical issues confronting government statisticians.

0101	Frauke Kreuter	Seats (Total: 20)
	Tu 6:30pm - 7:30pm	LEF 2208

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Reading in Survey Methodology; (1-3 credits)** Grade Method: REG/AUD.

0101	Roger Tourangeau Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Croninger Contact instructor or department for details.	Seats (Total: 10)

SURV699E **Special Topics in Survey Methodology; Case Studies in Sampling and Weighting**

SURV699E Special Topics in Survey Methodology: Case Studies in Sampling and Weighting; (3 credits) Grade Method: REG/AUD.
It runs concurrently with the University of Michigan course. Click here for f urther information

0101	Richard Valliant Th 3:30pm - 6:10pm	Seats (Total: 15) LEF 2208

SURV699Z **Special Topics in Survey Methodology; Regression Models in Complex Sample Design Settings**

SURV699Z Special Topics in Survey Methodology: Regression Models in Complex Sample Design Settings; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Michael Elliott Tu 12:30pm - 3:00pm	Seats (Total: 15) LEF 1208

SURV701 **Analysis of Complex Sample Data**

SURV701 Analysis of Complex Sample Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 625. Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation. It runs concurrently with the University of Michigan course.

0101	Steven Heeringa Tu 6:30pm - 9:15pm	Seats (Total: 20) LEF 1208

SURV720 **Total Survey Error I**

SURV720 Total Survey Error I; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV625 Restricted to degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723. Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented. It runs concurrently with the University of Michigan course.

0101	Robert Groves	Seats (Total: 20)
	Meets September 3, 2008 - December 12, 2008	
	W 3:30pm - 5:15pm	LEF 1218

SURV722 **Randomized/Nonrandomized Design**

SURV722 Randomized/Nonrandomized Design; (3 credits) Grade Method: REG/AUD.
Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc. Click Here More Information

0101	Austin Nichols	Seats (Total: 20)
	W 7:00pm - 9:40pm	LEF 1208

SURV772 **Survey Design Seminar**

SURV772 Survey Design Seminar; (3 credits) Grade Method: REG/AUD. *Formerly: SURV770 and SURV771. For SURV majors only. Not open to students who have completed SURV770 and SURV771. Credit will be granted for only one of the following: (SURV770 and SURV771) or SURV772.* Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Katharine Abraham	Seats (Total: 20)
	M 6:30pm - 9:10pm	LEF 1218

SURV798B **Advanced Topics in Survey Methodology; Small Area Estimation**

SURV798B Advanced Topics in Survey Methodology: Small Area Estimation; (3 credits) Grade Method: REG/AUD.

0101	Partha Lahiri	Seats (Total: 14)
	F 2:45pm - 5:15pm	LEF 1218

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Robert Groves, Partha Lahiri	Seats (Total: 5)
	Meets September 7, 2008 - December 7, 2008	
	F 12:00pm - 2:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET Theatre Fall 2008

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Laurie Frederik Meer, Korey Rothman MW 2:00pm - 3:15pm	Seats (Total: 180) HJP 0226
0201	Korey Rothman, Laurie Frederik Meer MW 3:30pm - 4:45pm	Seats (Total: 180) HJP 0226

THET112 **Fundamentals of Performance**

THET112 Fundamentals of Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For Theatre majors or permission of department. Freshman standing. Examines the history and origins of performance in various cultures, types of performance on and off stage, and the space where performance happens.

0101	Regina Pisasale MW 9:00am - 10:15am	Seats (Total: 25) PAC 3732

THET113 **Fundamentals of Theatre History**

THET113 Fundamentals of Theatre History; (3 credits) Grade Method: REG/P-F/AUD.
For Theatre majors or permission of department. Freshman standing. Explores the process of artistic and cultural creation by tracing major developments in theatre and drama from Greeks to the present.

0101	Justin Poole	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1815	

THET114 **Fundamentals of Theatre Craft**

THET114 Fundamentals of Theatre Craft; (3 credits) Grade Method: REG/P-F/AUD.
For Theatre majors or permission of department. Freshman standing. An introduction in basic theatre technology and craftsmanship. Students will learn the process of realizing a theatrical production through classroom instruction and participation in a University production.

0101	David Kriebs	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 1809	
	F 2:00pm - 5:00pm	PAC 1702	Lab

THET115 **Fundamentals of Play Analysis**

THET115 Fundamentals of Play Analysis; (3 credits) Grade Method: REG/P-F/AUD.
For Theatre majors or permission of department. Freshman standing. Explores four different, but overlapping, approaches to script analysis: storytelling, character, dramaturgy, and criticism.

0101	AnnMarie Saunders	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PAC 1815

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Theatre Majors or permission of department. Recommended: THET113 or THET115. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Brian Engel, Sean Urbantke, Ivania Stack	Seats (Total: 25)
	TuTh 3:30pm - 5:20pm	PAC 1815
	TuTh 3:30pm - 5:20pm	PAC 2733

THET210 **Movement for Actors**

THET210 *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, and THET116. Not open to students who have completed 60 credits or THET421. Credit will be granted for only one of the following: THET210 or THET421. Formerly THET421. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Leslie Felbain TuTh 10:30am - 12:15pm	Seats (Total: 14) PAC 3736	

THET220 **Acting: Foundations**

THET220 Acting: Foundations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115 and THET116. For THET majors only. Exercises structured to develop the actor's concentration, imagination, sense and emotional memory. Introduces tools for textual and character analysis.

0101	Walter Dallas MW 11:00am - 12:50pm	Seats (Total: 14) PAC 3732	Lab
0201	Walter Dallas MW 1:00pm - 2:50pm	Seats (Total: 14) PAC 3732	Lab

THET273 **Theatre Graphics I**

THET273 Theatre Graphics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115 and THET116; or permission of department. An introduction in graphic techniques for theatrical design and production. The emphasis is on drafting by hand, with an introduction to computer-aided drafting and design.

0101	Harold Burgess TuTh 9:30am - 11:15am	Seats (Total: 12) PAC 2733

THET284 **Stage Costume Construction I**

THET284 *(PermReq)* **Stage Costume Construction I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: THET284 or THET486. Formerly THET486. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

0101	Susan Chiang	Seats (Total: 12)	
	MW 9:00am - 11:50am	PAC 3749	Lab

THET286 **Experiential Learning I**

THET286 *(PermReq)* **Experiential Learning I; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112,THET113,THET114,THET115,THET116 and permission of department. Sophomore standing. Not open to THET students who have completed THET386. Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	
0210	Franklin Hildy	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Leigh Smiley	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	
0401	Scot Reese	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	
0501	Leslie Felbain	Seats (Total: 10)
	Contact instructor or department for details.	
0601	David Kriebs	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

0901	Mitchell Hebert Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
2007	Harold Burgess Contact instructor or department for details.	Seats (Total: 5)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET288 **Fundamentals Project**

THET288 *(PermReq)* **Fundamentals Project; (1 credit)** Grade Method: REG. Prerequisite: 4 of 5 fundamental courses. For THET majors only.

0101	Robert Thompson F 12:00pm - 2:00pm	Seats (Total: 25) PAC 2740

THET290 **American Theatre 1750 to 1890**

THET290 American Theatre 1750 to 1890; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre from its beginning through 1890, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture.

0101	Heather Nathans MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 PAC 1809	 Discussion
0102	Heather Nathans MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) BPS 1250 PAC 1809	 Discussion
0104	Heather Nathans MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 PAC 1815	 Discussion

THET294 **Black Theatre and Performance II**

THET294 Black Theatre and Performance II; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Sophomore standing. Thematic and historical survey of African-American drama from the 1960s to the present. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.

0101	Scot Reese M 2:00pm - 4:35pm	Seats (Total: 25) PAC 1815

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Sophomore standing. Not open to students who have completed THET221. Credit will be granted for only one of the following: THET221 or THET310. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Leigh Smiley	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 3736	Lab

THET324 **Character Development**

THET324 *(PermReq)* **Character Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Junior standing. Not open to students who have completed THET320. European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.

0101	Leslie Felbain	Seats (Total: 12)	
	TuTh 1:30pm - 3:15pm	PAC 3736	Lab

THET330 **Play Directing I**

THET330 *(PermReq)* **Play Directing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET112, THET113, THET114, THET115, THET116, THET288; THET210 or THET220. Junior standing. A lecture-laboratory course dealing with the techniques of coordinating, designing and guiding the production of a script through to performance. Study and practice in stage composition, movement, pacing, script and character analysis, and rehearsal routines. Emphasis on methods of communicating a script to an audience.

0101	Scot Reese	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 2740	

THET371 **Scenic Design I**

THET371 *(PermReq)* **Scenic Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET112, THET113, THET114, THET115, THET116, THET273, and THET288; or permission of department. Credit will be granted for only one of the following: THET371 or THET375. Formerly THET375. A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

0101	Mikhail Kachman MW 1:00pm - 2:50pm	Seats (Total: 8) PAC 2733

THET373 **Rendering for the Theatre I**

THET373 *(PermReq)* **Rendering for the Theatre I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: THET373 or THET484. Formerly THET484. A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.

0101	Helen Huang MW 10:00am - 11:50am	Seats (Total: 12) PAC 2733

THET386 **Experiential Learning**

THET386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Karalee Dawn Contact instructor or department for details.	Seats (Total: 5)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 5)

0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 6)
2007	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)

THET399F **The Color of Sex: Race and Sexuality in Theatre and Film**

THET399F *(PermReq)* **The Color of Sex: Race and Sexuality in Theatre and Film; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Chris Martin MW 12:00pm - 1:15pm	Seats (Total: 25) PAC 1815

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399W **Independent Study; 500 CLOWN WORKSHOP**

Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**

Contact department for information to register for this course.

THET420 **Language and the Actor**

THET420 *(PermReq)* **Language and the Actor; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition and permission of department. Explores the actor's relationship to language, particularly heightened poetic language, in order to: develop the ability to embody language and vocally and physically project the images; apply an intellectual understanding of the inherent structural, poetic, and rhetorical techniques of heightened language in combination with action theory; and access the inner states of character while expressing them through text.

0101	Leigh Smiley	Seats (Total: 12)
	MW 1:00pm - 2:50pm	PAC 3736

THET425 **Actor's Process II**

THET425 *(PermReq)* **Actor's Process II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition, and permission of department. A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

0101	Mitchell Hebert	Seats (Total: 12)
	MW 10:00am - 11:50am	PAC 3730

THET429 **Actor's Studio**

THET429 *(PermReq)* **Actor's Studio; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET457 **Advanced Lighting Technology**

THET457 *(PermReq)* **Advanced Lighting Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 and THET116; or permission of instructor. Sophomore standing. Technological innovations such as moving lights, color changers, and LED are studied from the lighting designer's perspective. Students will have the opportunity to use the equipment in the lighting lab.

0101	Kyle Kweder	Seats (Total: 10)
	TuTh 1:30pm - 3:15pm	PAC 3731

THET465 **History of Fashion for the Theatre**

THET465 *(PermReq)* **History of Fashion for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, or permission of instructor. Sophomore standing. A survey of Western clothing from the Ancient Worlds through 20th Century. A discussion of the cultural contexts of various trends in fashion through an examination of art, industry and textiles.

0101	Mikhail Kachman	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 1807

THET471 **Design Studio in Scenery**

THET471 *(PermReq)* **Design Studio in Scenery; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET371 and permission of department. Also offered as THET639. Credit will be granted for only one of the following: THET471 or THET639. Advanced study of scenic design for the theatre. Particular design projects will vary. Also offered as THET639.

0101	Daniel Conway	Seats (Total: 10)
	MW 10:00am - 11:50am	PAC 2755

THET474 **Stage Management**

THET474 *(PermReq)* **Stage Management; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Four of the five fundamental courses (THET112, THET113, THET114, THET115, THET116) and permission of instructor. Sophomore standing.* Intensive practical study of the techniques and procedures for stage management.

0101	David Kriebs TuTh 9:00am - 10:45am	Seats (Total: 12) PAC 2755

THET479 **Production Practicum; Theater Workshop II**

THET479 *(PermReq)* **Production Practicum: Theater Workshop II; (1-3 credits)** Grade Method: REG.

0201	David Kriebs Contact instructor or department for details.	Seats (Total: 20)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 20)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 20)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 20)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 20)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)
2007	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 20)

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET114, THET116, THET273, and permission of department. Sophomore standing. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Daniel Conway TuTh 9:30am - 10:45am	Seats (Total: 8) PAC 2727

THET488R **Special Topics in Theatre History Before 1800; Renaissance Theatre**

THET488R *(PermReq)* **Special Topics in Theatre History Before 1800: Renaissance Theatre; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET489C **Subversive Culture**

THET489C *(PermReq)* **Subversive Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Laurie Frederik Meer TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1809

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Raye Leith Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 10)

0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET499B **Independent Study; FIGURE DRAWING**

THET499B *(PermReq)* **Independent Study: FIGURE DRAWING; (3 credits)** Grade Method: REG/AUD.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 6) PAC 2740

THET499L **Independent Study; Lighting Design Studio**

THET499L *(PermReq)* **Independent Study: Lighting Design Studio; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Harold Burgess MW 3:00pm - 4:50pm	Seats (Total: 10) PAC 3731

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET600 **Introduction to Graduate Research Methods**

THET600 Introduction to Graduate Research Methods; (3 credits) Grade Method: REG/AUD.
A research and bibliography course with special emphasis on research in theatre. Required of all M.A. and M.F.A. students.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET603 **Introduction to Theatre Design**

THET603 Introduction to Theatre Design; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: THET600 or THET603. Enhances the visual, conceptual, and analytical research methods applicable to design concepts and theories.

0101	Harold Burgess M 4:00pm - 6:35pm	Seats (Total: 10) PAC 2804

THET606 **Teaching Theatre**

THET606 Teaching Theatre; (1 credit) Grade Method: REG/AUD.
Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Korey Rothman W 6:00pm - 7:00pm	Seats (Total: 10) PAC 2804

THET608C **Seminar: Theory and Performance Studies; Censorship, Creativity and Cultural Practice**

THET608C Seminar: Theory and Performance Studies: Censorship, Creativity and Cultural Practice; (3 credits) Grade Method: REG.

0101	Laurie Frederik Meer Th 4:00pm - 6:30pm	Seats (Total: 10) PAC 1807

THET639 **Advanced Design Studio in Scenery**

THET639 Advanced Design Studio in Scenery; (3 credits) Grade Method: REG/AUD.
Also offered as THET471.

0101	Daniel Conway MW 10:00am - 11:50am	Seats (Total: 10) PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Kyle Kweder TuTh 1:30pm - 3:15pm	Seats (Total: 10) PAC 3731

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669A **Independent Study; History of Fashion for the Theatre**

THET669A Independent Study: History of Fashion for the Theatre; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 1807

THET669F **Independent Study; Figure Drawing**

THET669F *(PermReq)* **Independent Study: Figure Drawing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 9) PAC 2740

THET679 **Professional Costume Design**

THET679 Professional Costume Design; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang MW 1:00pm - 2:50pm	Seats (Total: 12) PAC 2755

THET681 **Theory of Visual Design in Costuming**

THET681 Theory of Visual Design in Costuming; (3 credits) Grade Method: REG/AUD.
A historical and theoretical study of design practices in performing arts with an emphasis in costume design and interpretation.

0101	Helen Huang TBA	Seats (Total: 10) PAC 2755

THET686 **History of Modern Theory**

THET686 History of Modern Theory; (3 credits) Grade Method: REG/AUD.
Recommended: THET 600. Formerly THET689. Modern dramatic and performance theory from realism through postmodernism with special emphasis on the European and American avant-garde.

0101	Catherine Schuler W 5:00pm - 7:30pm	Seats (Total: 10) PAC 1807

THET698F **Seminar: Theatre History; French Theatre from Moliere to the Revolution**

THET698F Seminar: Theatre History: French Theatre from Moliere to the Revolution; (3 credits) Grade Method: REG/AUD.

0101	Heather Nathans Tu 4:00pm - 6:30pm	Seats (Total: 10) PAC 1807

THET700 **Introduction to Doctoral Studies in Theatre**

THET700 *(PermReq)* **Introduction to Doctoral Studies in Theatre; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in theatre. Basic skills in theatre research.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET711 **Critical Theory: Methods and Concepts**

THET711 Critical Theory: Methods and Concepts; (3 credits) Grade Method: REG.
Prerequisite: THET700 and permission of instructor. Recommended: THET712. A doctoral methods course. Major developments in modern and postmodern critical theory with particular emphasis on application to the fields of Theatre and Performance Studies.

0101	Catherine Schuler M 6:30pm - 9:10pm	Seats (Total: 10) PAC 1807

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TOXI Toxicology Fall 2008

TOXI609 **Methods in Toxicology**

TOXI609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD.

0101	Judd Nelson	Seats (Total: 5)
	Contact instructor or department for details.	

UMEI Maryland English Institute Fall 2008

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.
Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan. See Director, UMEI, 1101 Holzapfel. Also, see financial section in Schedule of Classes for information.

0101	Kimberly Brown, Rachel Misbin	Seats (Total: 15)
	MTuWThF 9:00am - 11:50am	ARM 0118
	MTuWThF 1:00pm - 2:50pm	ARM 0121

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.
Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan. See Director, UMEI, 1101 Holzapfel. Also, see financial section in Schedule of Classes for information.

0101	Nina Liakos, Steven Sharp MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) HZF 2109 ARM 0118
0201	Rachel Misbin, Charles Duquette MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) ARM 0120 ARM 0120
0301	Eric Walker, Daniela Wagner-Loera MWF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm TuTh 9:00am - 11:50am	Seats (Total: 20) ARM 0121 HBK 0123 HBK 0123

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.
Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan. See Director, UMEI, 1101 Holzapfel. Also, see financial section in Schedule of Classes for information.

0501	Kathleen Kilday MWF 10:00am - 11:50am TuTh 10:00am - 11:50am	Seats (Total: 25) PHY 4220 HBK 1112

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F.
Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan. See director, UMEI, 1101 Holzapfel. Also, see financial section in Schedule of Classes for information.

0201	Daniela Wagner-Loera TuTh 1:00pm - 2:30pm	Seats (Total: 15) PAC 1809
0301	Charles Duquette TuTh 1:00pm - 2:30pm	Seats (Total: 33) HZF 2109

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.
Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Diego Hernandez TuTh 10:00am - 11:50am	Seats (Total: 20) HZF 2109
0201	Susan Gould WF 1:00pm - 2:50pm	Seats (Total: 23) ARM 0102
0301	Nathanael Rudolph WF 1:00pm - 2:50pm	Seats (Total: 20) EGR 1102

UMEI008A **Advanced Oral Communication Skills**

UMEI008A *(PermReq)* **Advanced Oral Communication Skills; (2 credits)** Grade Method: S-F.

0301	Steven Sharp TuTh 3:15pm - 5:15pm	Seats (Total: 25) JMZ 1224

UNIV University Courses Fall 2008

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F.
Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library, South Wing.

0101	Katelyn Glasser Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored. Previously offered as EDCP 108O. This course is restricted to first-year freshman and transfer students.

0003	Frances Wang W 1:00pm - 3:00pm	Seats (Total: 20) BPS 1232
0004	Jessica Richards W 2:00pm - 4:00pm	Seats (Total: 20) BPS 1228
0402	Mindy McDonnell W 2:00pm - 3:50pm *Restricted to Computer, Mathematical and Physical Sciences students.*	Seats (Total: 25) PLS 1111
0501	Jennifer Froh Th 1:00pm - 2:50pm *Restricted to students in Education.*	Seats (Total: 20) EDU 0220
0502	Neruh Ramirez M 11:00am - 1:00pm	Seats (Total: 20) EDU 0220
0503	Stasia Levin W 11:00am - 12:50pm	Seats (Total: 12) EDU 0220
0601	LaWanda Kamalidiin W 2:00pm - 3:50pm *Restricted to A. James Clark School of Engineering majors and new transfer.*	Seats (Total: 17) EGR 3111

0604	DaFran Ware Th 2:00pm - 3:50pm *Restricted to freshmen in the A. James Clark School of Engineering*	Seats (Total: 20) EGR 2116
0701	Shannon Moran W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1176
0702	Olive Reid W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1164
0801	Brent Hernandez, Yali Pan **Meets September 8, 2008 - November 17, 2008** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1168
0802	Thomas Castillo **Meets September 11, 2008 - November 20, 2008** Th 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 108C
0803	Jabari Bodrick **Meets September 8, 2008 - November 17, 2008** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 1116
0804	Rebecca Gavrila **Meets September 8, 2008 - November 17, 2008** M 12:00pm - 1:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0125

0805	Nathan Bontrager **Meets September 8, 2008 - November 17, 2008** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) COL 3110
0807	Amy Carattini, Nichole Howe **Meets September 9, 2008 - November 18, 2008** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1168
0808	Nicola Corbin **Meets September 11, 2008 - November 20, 2008** Th 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EDU 1210B
0809	Gregory Shaffer **Meets September 9, 2008 - November 18, 2008** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students interested i Pre-Law.*	Seats (Total: 20) HBK 0109
0811	James Cecil **Meets September 8, 2008 - November 17, 2008** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1172
0812	Rebecca Villarreal, Mark Stewart **Meets September 9, 2008 - November 18, 2008** Tu 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) EGR 1102

0814	Allison Temple, Erin Rooney-Eckel **Meets September 10, 2008 - November 19, 2008** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) SYM 0209
0815	Alyson Bennington **Meets September 10, 2008 - November 19, 2008** W 9:00am - 10:50am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1102
0819	Christopher Vogel **Meets September 10, 2008 - November 19, 2008** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0125
0820	Thomas Steen **Meets September 11, 2008 - November 20, 2008** Th 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1110
0822	Julie Sass **Meets September 11, 2008 - November 20, 2008** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1164
0823	Robyn Epstein **Meets September 10, 2008 - November 19, 2008** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) ARM 0103

0825	Evelyn Cooper **Meets September 11, 2008 - November 20, 2008** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0109
0826	Wendy Wittwer, Stephanie Patton **Meets September 10, 2008 - November 19, 2008** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1184
0841	Nadine Frederique **Meets September 8, 2008 - November 17, 2008** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1162
0845	Shayna Smith **Meets September 9, 2008 - November 18, 2008** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) LEF 1221
0850	Steve Leonard **Meets September 10, 2008 - November 19, 2008** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115
0851	Dian Squire **Meets September 8, 2008 - November 17, 2008** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115

0854	Shonu Verma **Meets September 8, 2008 - November 17, 2008** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) TLF 1101
0855	Scott Lawler **Meets September 10, 2008 - November 19, 2008** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) COL 0100
0857	N Adaire Parker **Meets September 10, 2008 - November 18, 2008** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) ARM 0102
0858	Laila Shishineh **Meets September 10, 2008 - November 19, 2008** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) JMZ 2117
0859	Kelly Ridings **Meets September 10, 2008 - November 19, 2008** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 22) KEY 0124
0902	Tasara Redekopp Tu 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 1116
0903	Kelsey South Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) CHE 2145

0904	Meridith Phillips, Kismet Flagg Th 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 0105
0905	Cecilia Jordan Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HZF 0106
0906	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) COL 3110
0908	Lisa Bradley-Klemko F 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) MTH 0201
0909	Rebecca Kenemuth Tu 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1164
0910	Katerina Thompson W 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) SYM 0215
0911	Ashley Adkins W 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PHY 4208
0912	Gene Ferrick W 12:00pm - 1:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) COL 0101
0914	Eden Garosi Th 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 0103
0915	Justin Nero M 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 21) PLS 1111

0916	Sacared Bodison Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) EGR 1110
0917	Earlene Armstrong Contact instructor or department for details. *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 10)
0918	Lani Yap Th 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1168
0919	Stacy Woycheck Th 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) ARM 0102
0920	Kevin Baxter Th 3:30pm - 5:20pm *Restricted to College Park Scholars - Life Sciences.*	Seats (Total: 20) CCC 1200
0921	Jayasree Tummalapalli M 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) JMZ 1122
0922	Millree Williams W 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TYD 0102
0923	Gerry Strumpf W 12:00pm - 2:00pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 0) COL 1102
1001	Laura Fellon MW 11:00am - 11:50am *Restricted to student-athletes. This course will meet in the Gossett Football Team House classroom.*	Seats (Total: 30) BPS 1232

1002	Jessica Myers TuTh 10:00am - 10:50am *Restricted to student athletes. This course will meet in Gossett Football Team House classroom.*	Seats (Total: 30) Location: TBA
1003	Donald Pearman TuTh 11:00am - 11:50am *Restricted to student athletes. This course will meet in Gossett Football Team House classroom.*	Seats (Total: 30) Location: TBA
1004	Natasha Criss MW 10:00am - 10:50am *Restricted to student athletes. This course will meet Gossett Football Team House classroom.*	Seats (Total: 30) EGR 2116
1005	Kendra Greene TuTh 12:30pm - 1:20pm *Restricted to student athletes. The course will meet in the ASCDU Class oom in the Comcast Center.*	Seats (Total: 30) MTH 0401
1006	Heather Arianna MW 12:00pm - 12:50pm *Restricted to student athletes. This course will meet in Gossett Footba l Team House Classrooms.*	Seats (Total: 30) Location: TBA
1007	Walter Holliday TuTh 11:00am - 11:50am *This is an Athlete Only Section.*	Seats (Total: 20) ARC 1125
1101	Courtney Miller Tu 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 19) ARC 1121
1102	Courtney Miller Th 2:00pm - 3:50pm *Restricted to Architecture majors.*	Seats (Total: 19) ARC 1123
1103	Courtney Miller Tu 2:00pm - 3:50pm *Restricted to Architecture majors.*	Seats (Total: 19) ARC 1121

1201	Erin Caporellie F 10:00am - 11:50am	Seats (Total: 20) SPH 0307
	Restricted to students in the College of Health and Human Performance.	
1401	Cynthia Shaw M 3:00pm - 4:50pm	Seats (Total: 20) WDS 1131
	Restricted to College Park Scholars Earth, Life, and Time Students.	
1402	John Merck Th 1:00pm - 2:50pm	Seats (Total: 20) SPH 0301
	Restricted to College Park Scholars Earth, Life, and Time Students.	
1501	Leon Slaughter Th 2:00pm - 3:50pm	Seats (Total: 15) PLS 1115
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1503	Libby Dufour Tu 9:00am - 10:50am	Seats (Total: 15) ANS 0402
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1504	Kimberly Monahan Tu 3:00pm - 4:50pm	Seats (Total: 15) SYM 0209
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1507	Laila Shishineh W 10:00am - 12:00pm	Seats (Total: 15) COL 3114
FC01	Emily Kasper M 7:30pm - 8:45pm	Seats (Total: 21) PLS 1115
	This section is only open to students in Freshmen Connection.	
FC02	Michael Walker M 7:30pm - 8:45pm	Seats (Total: 20) HZF 0101
	This section is only open to students in Freshmen Connection.	

FC03	Thomas Steen Tu 4:30pm - 5:45pm	Seats (Total: 0) KEY 0120
	This section is only open to students in Freshmen Connection.	
FC04	Ashley Peters Tu 7:30pm - 8:45pm	Seats (Total: 20) SYM 0215
	This section is only open to students in Freshmen Connection.	
FC05	Alanna Biblow W 7:30pm - 8:45pm	Seats (Total: 16) HBK 1116
	This section is only open to students in Freshmen Connection.	
FC06	Keonna Feaster W 6:00pm - 7:15pm	Seats (Total: 18) PLS 1115
	This section is only open to students in Freshmen Connection.	
FC07	Linda LeNoir Th 7:30pm - 8:45pm	Seats (Total: 18) HBK 1116
	This section is only open to students in Freshmen Connection.	
FC09	Erin Iverson F 10:00am - 11:15am	Seats (Total: 22) COL 0113
	This section is only open to students in Freshmen Connection.	
FC10	Kisha Hemphill F 11:30am - 12:45pm	Seats (Total: 20) EGR 2154
	This section is only open to students in Freshmen Connection.	
FC11	Brian Watkins F 1:00pm - 2:15pm	Seats (Total: 22) CCC 1115
	This section is only open to students in Freshmen Connection.	
FC12	Kurt Klier Tu 3:00pm - 4:15pm	Seats (Total: 20) JMZ 2123
	This section is only open to students in Freshmen Connection.	
FC13	Evelyn Cooper M 6:00pm - 7:15pm	Seats (Total: 25) PLS 1115
	This section is only open to students in Freshmen Connection.	

FC14	Alan Rucker Tu 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 22) CHE 2118
FC15	Hilary Sazama, Anne Baum F 11:30am - 12:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 19) SYM 0215
FC18	Alex Teh M 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 18) BPS 0283
FC19	Heather Arianna F 1:00pm - 2:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 20) PLS 1111
FC22	Natasha Criss W 4:30pm - 5:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 25) MTH 0104
FC23	Stephanie Smith Tu 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 21) PLS 1115
FC26	Stacey Brown Tu 6:00pm - 7:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) KEY 0120

UNIV100H **The Student in the University**

UNIV100H The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.*

0924	Linda Lachman Th 1:00pm - 2:30pm	Seats (Total: 20) HBK 0115
0925	Sandra Fox-Moon W 1:00pm - 2:30pm	Seats (Total: 20) JMZ 1122

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool. This course is restricted to freshman and first-year transfer students.

0101	Lori DeBoy W 2:00pm - 3:40pm *Restricted to Music majors only.*	Seats (Total: 20) PAC 2115
0102	Gerry Strumpf W 3:00pm - 4:40pm *Restricted to Communication majors.*	Seats (Total: 0) PLS 1172
0107	Stefania Amodeo M 2:00pm - 3:40pm *Restricted to Foreign Language majors.*	Seats (Total: 20) JMZ 2207
0108	David Kriebs W 3:00pm - 4:40pm *Restricted to Theatre majors.*	Seats (Total: 20) PAC 1809
0109	Jennifer Dunsmore W 2:00pm - 3:40pm *Restricted to English majors.*	Seats (Total: 20) WDS 0104
0110	Sabrina Baron Th 3:00pm - 4:40pm *Restricted to History majors.*	Seats (Total: 20) TLF 2103
0112	Theresa Donofrio Th 4:00pm - 5:40pm *Restricted to Communication majors.*	Seats (Total: 20) PLS 1176

0114	Megan Cleaver W 9:00am - 10:40am *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) TLF 2103
0201	TC Lloyd M 10:00am - 11:50am *Restricted to BSOS majors.*	Seats (Total: 25) TYD 2108
0202	Catherine Simpson, Kimberly Bethke M 3:00pm - 4:50pm *Restricted to BSOS majors.*	Seats (Total: 25) JMZ 2117
0203	Christie Cradock W 3:00pm - 4:50pm *Restricted to BSOS majors.*	Seats (Total: 25) BPS 1234
0204	Ryan Holtz Tu 10:00am - 11:50am *Restricted to BSOS majors.*	Seats (Total: 25) KEY 0124
0205	Jay Garvey Th 10:00am - 11:50am *Restricted to BSOS majors.*	Seats (Total: 25) KEY 0124
0206	Linda Moulton Th 3:00pm - 4:50pm *Restricted to BSOS majors.*	Seats (Total: 25) KEY 0120
0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:50pm *Restricted to BSOS majors.*	Seats (Total: 25) HBK 0123
0208	Regina Huhtanen W 10:00am - 11:50am *Restricted to BSOS majors.*	Seats (Total: 25) LEF 1201
0209	Paulanne Walker Tu 3:00pm - 4:50pm *Restricted to BSOS majors.*	Seats (Total: 25) HBK 1112

UNIV188A **Introduction to Global Communities; Understanding Culture and Cultural Differences**

UNIV188A *(PermReq)* **Introduction to Global Communities: Understanding Culture and Cultural Differences; (1 credit)** Grade Method: REG.
Prerequisite: Enrollment in Global Communities Living-Learning Program.

0101	Monica Emery TuTh 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128
0201	Monica Emery TuTh 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128

UNIV288B **Global Communities Colloquium III; Service Learning**

UNIV288B *(PermReq)* **Global Communities Colloquium III: Service Learning; (1 credit)** Grade Method: REG.

0101	Ranetta Hardin Th 5:30pm - 6:45pm	Seats (Total: 25) DOR 0128

UNIV288C **Global Communities Colloquium III; Researching Society and Culture**

UNIV288C *(PermReq)* **Global Communities Colloquium III: Researching Society and Culture; (1 credit)** Grade Method: REG.

0101	Loreene O'Neill M 7:30pm - 8:45pm	Seats (Total: 25) DOR 0128

UNIV288I **Global Communities Colloquium III; Internship**

UNIV288I *(PermReq)* **Global Communities Colloquium III: Internship; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UNIV288R **Global Communities Colloquium III; Research Practicum**

UNIV288R Global Communities Colloquium III: Research Practicum; (1 credit) Grade Method: REG/P-F/AUD.

0101	Monica Emery TBA	Seats (Total: 10) DOR 0119

UNIV325 **Beyond the Classroom Seminar I**

UNIV325 Beyond the Classroom Seminar I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents. Development of civic engagement principles. Students prepare professional portfolios in preparation for a semester-long internship. Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

0101	James Riker Tu 3:30pm - 5:30pm	Seats (Total: 40) SCC 1102
0201	James Riker W 3:30pm - 5:30pm	Seats (Total: 40) Location: TBA

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Megan Riley M 5:00pm - 6:00pm	Seats (Total: 15) SCC 1102
0201	Megan Riley Th 3:00pm - 4:00pm	Seats (Total: 15) SCC 1102

UNIV348 **Federal Semester Seminar; Federal Health Policy**

UNIV348 *(PermReq)* **Federal Semester Seminar: Federal Health Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Elaine Anderson	Seats (Total: 24)
	TuTh 11:00am - 12:15pm	CCC 1200

UNIV348S **Federal Semester Seminar; Federal Homeland Security Policy**

UNIV348S *(PermReq)* **Federal Semester Seminar: Federal Homeland Security Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Magdalena Bajll	Seats (Total: 25)
	M 6:30pm - 8:20pm	SYM 0215
	W 6:30pm - 7:30pm	SYM 0215

UNIV378 **Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Beyond Classroom Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Megan Riley	Seats (Total: 15)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A *(PermReq)* **Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ranelle Manaois	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325 and UNIV326.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV399E **Experiential Learning; Envisioning Peace**

UNIV399E Experiential Learning: Envisioning Peace; (1 credit) Grade Method: S-F.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

URSP Urban Studies and Planning Fall 2008

URSP100 **Challenge of the Cities**

URSP100 Challenge of the Cities; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly URBS100. Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies. Also offered as LASC100.

0101	William Hanna	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	ASY 2203

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Individual Instruction Course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP488Z **Selected Topics in Urban Studies and Planning; The City in Film**

URSP488Z Selected Topics in Urban Studies and Planning: The City in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Hanna	Seats (Total: 27)
	M 4:00pm - 6:35pm	ASY 3221

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Qing Shen	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	ARC 0111

URSP604 **The Planning Process**

URSP604 *(PermReq)* **The Planning Process; (3 credits)** Grade Method: REG/AUD. *Credit will be granted for only one of the following: URSP 604, URBS 656 or URBS 604. Formerly URBS604.* Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations.

0101	Alexander Chen	Seats (Total: 20)
	Th 7:00pm - 9:30pm	ARC 1103

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	James Cohen	Seats (Total: 15)
	M 7:00pm - 9:35pm	ARC 1103

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Not open to students who have completed URSP 630 or URBS 630. Credit will be granted for only one of the following: URSP 606, URBS 606, or URBS 630. Formerly URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	John Carruthers Tu 7:00pm - 9:30pm	Seats (Total: 23) ARC 1105

URSP607 **Human Behavior and the Physical Environments**

URSP607 Human Behavior and the Physical Environments; (3 credits) Grade Method: REG/AUD.
Recommended: URSP 603. Formerly URBS607. Theories and research about ways human-produced environments change and are changed by the behavior of individuals and groups.

0101	Sidney Brower W 4:00pm - 6:30pm	Seats (Total: 10) ASY 3221

URSP612 **Geographic Information Systems for Urban Planning**

URSP612 Geographic Information Systems for Urban Planning; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 612 or URSP 688M. Formerly URSP688M. An introduction to GIS and its application to urban planning. Topics include: thematic mapping, GIS data structure, spatial analysis, Internet GIS, using census data to study urban areas, and examples of urban GIS application. Weekly laboratory and project work use ArcGIS software.

0101	Jung Shin W 7:00pm - 9:30pm	Seats (Total: 20) ARC 1121

URSP631 **Transportation and Land Use**

URSP631 Transportation and Land Use; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 631 or URSP 688L. Formerly URSP688L. The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

0101	Reid Ewing	Seats (Total: 20)
	W 7:00pm - 9:30pm	ARC 1103

URSP661 **City and Regional Economic Development Planning**

URSP661 City and Regional Economic Development Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606 or URSP 660. Credit will be granted for only one of the following: URSP 661, URBS 440 or URBS 661. Formerly URBS661. Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Marie Howland	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1101

URSP673 **Social Planning**

URSP673 Social Planning; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: URSP 673, URBS 683, or URBS 673. Formerly URBS673. Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Howell Baum	Seats (Total: 20)
	W 4:00pm - 6:30pm	JMZ 3120

URSP688C **Recent Developments in Urban Studies; Designing for Community**

URSP688C Recent Developments in Urban Studies: Designing for Community; (3 credits) Grade Method: REG/AUD.

0101	Sidney Brower Tu 4:00pm - 6:30pm	Seats (Total: 10) ARC 1125

URSP688Q **Recent Developments in Urban Studies; Urban Economics**

URSP688Q *(PermReq)* **Recent Developments in Urban Studies: Urban Economics; (3 credits)** Grade Method: REG/AUD.

0101	Chengri Ding W 4:00pm - 6:30pm	Seats (Total: 15) Location: TBA

URSP688T **Recent Developments in Urban Studies; Introduction to Transportation Policy and Decision Making**

URSP688T Recent Developments in Urban Studies: Introduction to Transportation Policy and Decision Making; (3 credits) Grade Method: REG/AUD.

0101	Kelly Clifton Tu 4:00pm - 6:30pm	Seats (Total: 20) ARC 1123

URSP688Z **Recent Developments in Urban Studies; The City in Film**

URSP688Z Recent Developments in Urban Studies: The City in Film; (3 credits) Grade Method: REG/AUD.

0101	William Hanna M 4:00pm - 6:35pm	Seats (Total: 15) ASY 3221

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (6 credits) Grade Method: REG/AUD. Course will meet in the Community Planning Studio.

0101	Alexander Chen TuTh 9:00am - 4:00pm	Seats (Total: 10) Location: TBA

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.

0101	James Cohen	Seats (Total: 20)
	Contact instructor or department for details.	

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP804 **Advanced Planning Theory**

URSP804 Advanced Planning Theory; (3 credits) Grade Method: REG/AUD. Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry. This course is a required core course for the PH.D. program in Urban and Regional Planning and Design.

0101	Howell Baum	Seats (Total: 15)
	M 1:00pm - 3:35pm	EDU 3233

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2008

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

USLT201 U.S. Latina/o Studies I: An Historical Overview to the 1960's; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Interdisciplinary course focusing on demographics, terminology and social contructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Ana Rodriguez	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2136

USLT498R **Special Topics in US Latina/o Studies; Latina/o Families: Nation, Gender, Class, and Community**

USLT498R Special Topics in US Latina/o Studies: Latina/o Families: Nation, Gender, Class, and Community; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498R.

0101	Ruth Zambrana	Seats (Total: 40)
	Tu 2:00pm - 4:30pm	MMH 3418

VMSC Veterinary Medical Sciences Fall 2008

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 20)
	Contact instructor or department for details.	

VMSC688C **Special Topics in Veterinary Medical Sciences; Biology and Epidemiology of Zoonotic Viral Diseases**

VMSC688C Special Topics in Veterinary Medical Sciences: Biology and Epidemiology of Zoonotic Viral Diseases; (2 credits) Grade Method: REG.

0101	Daniel Perez	Seats (Total: 10)
	W 9:00am - 11:00am	GVC 1216

VMSC688M **Special Topics in Veterinary Medical Sciences; Advanced Epidemiology**

VMSC688M *(PermReq)* **Special Topics in Veterinary Medical Sciences: Advanced Epidemiology; (2 credits)** Grade Method: REG.

0101	Katherine Feldman	Seats (Total: 1)
	M 3:00pm - 5:00pm	GVC 1101

VMSC689 **Use of Genomics and Proteomics in Infectious Disease**

VMSC689 Use of Genomics and Proteomics in Infectious Disease; (3 credits) Grade Method: REG/AUD.

0101	Suman Mukhopadhyay	Seats (Total: 20)
	F 1:00pm - 4:00pm	GVC 1216

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1-3 credits) Grade Method: REG.
Class will meet in 1216 Gudelsky Building.

0101	Utpal Pal	Seats (Total: 20)
	W 3:00pm - 4:00pm	GVC 1216

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC760 **Immunology of Infectious Diseases**

VMSC760 Immunology of Infectious Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisite: MICB750 or equivalent; or permission of instructor. An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development

0101	Xiaoping Zhu	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	GVC 1216

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Fall 2008

WMST200 **Introduction to Women's Studies: Women and Society**

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women. WMST 200 (or WMST 250) is a prerequisite for WMST 400.

0101	Augusta Bolles MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1114 PLS 1158	Discussion
0102	Augusta Bolles MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 15) WDS 1114 PLS 1158	Discussion
0103	Augusta Bolles MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1114 PLS 1162	Discussion
0104	Augusta Bolles MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 15) WDS 1114 PLS 1162	Discussion
0201	Anaya McMurray MWF 11:00am - 11:50am	Seats (Total: 25) WDS 1130	
0301	Genevieve Page TuTh 9:30am - 10:45am	Seats (Total: 25) EDU 3233	

0401	Ana Perez TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1101	

WMST210 **Women in America to 1880**

WMST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST210. Credit will be granted for only one of the following: WMST210 or HIST210.* An examination of the economic, family, and political roles of colonial, slave, immigrant and frontier women in America from the pre-industrial colonial period through the early stages of nineteenth century industrialization and urbanization.

0101	Clare Lyons MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 WDS 1127	Discussion
0102	Clare Lyons MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 HBK 0125	Discussion
0103	Clare Lyons MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 0104	Discussion
0104	Clare Lyons MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 1130	Discussion
0105	Clare Lyons MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 LEF 1201	Discussion
0106	Clare Lyons MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 0104	Discussion
0107	Clare Lyons MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 KEY 0123	Discussion

0108	Clare Lyons MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 WDS 1131	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women. WMST 250 (or WMST 200) is a prerequisite for WMST 400.

0101	Rajani Bhatia TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 1130	
0201	Rajani Bhatia TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 0104	
0301	Bettina Judd TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 0104	
0401	Bettina Judd TuTh 2:00pm - 3:15pm	Seats (Total: 25) TLF 1101	
0501	Amy Washburn TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130	
0601	Amy Washburn TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130	
0701	Safoora Nourbakhsh MWF 1:00pm - 1:50pm	Seats (Total: 25) WDS 1130	
0801	Safoora Nourbakhsh MWF 11:00am - 11:50am	Seats (Total: 25) WDS 0104	

0901	Carissa Liro-Hudson MWF 12:00pm - 12:50pm	Seats (Total: 25) EDU 0206	
FC01	Amy McLaughlin MW 7:30pm - 8:45pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) WDS 1130	
FC02	Laura Logie MW 3:00pm - 4:15pm *This section is only open to students in Freshmen Connection.*	Seats (Total: 23) WDS 1114	

WMST255 **Introduction to Literature by Women**

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250.* Images of women in literature by and about women.

0101	Marilee Lindemann MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 22) TYD 0130 JMZ 0122	 Discussion
0102	Marilee Lindemann MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) TYD 0130 WDS 1127	 Discussion
0103	Marilee Lindemann MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) TYD 0130 WDS 1114	 Discussion
0104	Marilee Lindemann MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) TYD 0130 KEY 0123	 Discussion
0106	Marilee Lindemann MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TYD 0130 SQH 1119	 Discussion

0107	Marilee Lindemann MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TYD 0130 SQH 1101	Discussion
0108	Marilee Lindemann MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TYD 0130 SQH 1103	Discussion
0109	Marilee Lindemann MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) TYD 0130 KEY 0103	Discussion
0110	Marilee Lindemann MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TYD 0130 SQH 1121	Discussion

WMST263 **Introduction to Black Women's Studies**

WMST263 Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298I. Credit will be granted for only one of the following: WMST298A, AASP298I, or AASP298S. Formerly WMST298A. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Mel Lewis MW 2:00pm - 3:15pm	Seats (Total: 30) TLF 1103

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amber Cohen MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1103

0201	Liora Moriel MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0125
0301	Nancy Comorau TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0100
0401	Nancy Comorau TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

WMST300 **Feminist Reconceptualizations of Knowledge**

WMST300 Feminist Reconceptualizations of Knowledge; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For WMST majors only. An examination of how the interdisciplinary study of women and gender has generated new questions, challenged traditional methodologies and offered insights on the ways we come to learn, know, and teach. Explores the impact of feminist thinking on various disciplines.

0101	Deborah Rosenfelt W 3:00pm - 5:30pm	Seats (Total: 20) WDS 2101R

WMST320 **Women in Classical Antiquity**

WMST320 Women in Classical Antiquity; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as CLAS320. Credit will be granted for only one of the following: WMST320 or CLAS320. A study of women's image and reality in ancient Greek and Roman societies through an examination of literary, linguistic, historical, legal, and artistic evidence; special emphasis on women's role in the family, views of female sexuality, and the place of women in creative art. Readings in primary sources in translation and modern critical writings.

0101	Lillian Doherty MW 3:30pm - 4:45pm	Seats (Total: 35) KEY 0116

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: WMST325 or SOCY325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Mehmet Ergun MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Michael Yaksich MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Shinta Hernandez MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Nazneen Kane TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Emily Mann MW 3:00pm - 4:15pm	Seats (Total: 50) PLS 1130

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: WMST336 or PSYC336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students or WMST students only.

0101	Kathryn Levit MW 3:30pm - 4:45pm	Seats (Total: 115) BPS 1243
0201	Kathryn Levit TuTh 11:00am - 12:15pm	Seats (Total: 115) BPS 1243

WMST348F **Literary Works by Women; Women on the Frontier**

WMST348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL 348F.

0101	Leigh Ryan	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 2117

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.*

0101	Laura Nichols	Seats (Total: 5)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: one course in WMST or a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Katie King	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	HBK 0103

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: WMST452 or JOUR452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JRN 1116

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: WMST471 or HLTH471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0302
0201	Carolyn Voorhees TuTh 11:00am - 12:15pm	Seats (Total: 40) CHE 2118
0301	Anne Anderson-Sawyer MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1303
0401	Nancy Atkinson TuTh 8:00am - 9:15am	Seats (Total: 40) SPH 1303

WMST488C **Senior Seminar; Feminist Science Studies**

WMST488C *(PermReq)* **Senior Seminar: Feminist Science Studies; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Clare Jen Tu 3:00pm - 5:30pm	Seats (Total: 15) JMZ 0120

WMST498C **Advanced Special Topics in Women's Studies; Law and Identities**

WMST498C Advanced Special Topics in Women's Studies: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sherri Beatty-Arthur Tu 3:00pm - 5:30pm	Seats (Total: 30) KEY 0119

WMST498D **Advanced Special Topics in Women's Studies; Feminist Pedagogy**

WMST498D *(PermReq)* **Advanced Special Topics in Women's Studies: Feminist Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katie King	Seats (Total: 4)
	Contact instructor or department for details.	

WMST498E **Advanced Special Topics in Women's Studies; Gender and Sport**

WMST498E Advanced Special Topics in Women's Studies: Gender and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and Junior standing. Also offered as KNES498E.

0101	Jessica Schultz	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SPH 0308

WMST498F **Advanced Special Topics in Women's Studies; Researching Women I**
Contact department for information to register for this course.

WMST498H **Advanced Special Topics in Women's Studies; Honor Thesis Writing**

WMST498H *(PermReq)* **Advanced Special Topics in Women's Studies: Honor Thesis Writing; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Michelle Rowley	Seats (Total: 1)
	Contact instructor or department for details.	

WMST498L **Advanced Special Topics in Women's Studies; Women and War, Feminism and Militarism**

WMST498L Advanced Special Topics in Women's Studies: Women and War, Feminism and Militarism; (3 credits) Grade Method: REG/P-F/AUD.

0101	Katie King	Seats (Total: 30)
	Th 4:00pm - 6:30pm	PLS 1115

WMST498M **Advanced Special Topics in Women's Studies; A History of Sexualities**
Contact department for information to register for this course.

WMST498N **Advanced Special Topics in Women's Studies; Contemporary Issues in Equality and Diversity**
Contact department for information to register for this course.

WMST498P **Advanced Special Topics in Women's Studies; Researching Women**

Contact department for information to register for this course.

WMST498R **Advanced Special Topics in Women's Studies; Latino Families: Nation, Gender, Class and Community**

WMST498R Advanced Special Topics in Women's Studies: Latino Families: Nation, Gender, Class and Community; (3 credits) Grade Method: REG/P-F/AUD. Also offered as USLT498R.

0101	Ruth Zambrana	Seats (Total: 40)
	Tu 2:00pm - 4:30pm	MMH 3418

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST601 **Approaches to Women's Studies I**

WMST601 *(PermReq)* **Approaches to Women's Studies I; (3 credits)** Grade Method: REG.
Prerequisite: WMST400 or equivalent. Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.

0101	Deborah Rosenfelt, Elsa Barkley Brown	Seats (Total: 15)
	Tu 3:00pm - 5:30pm	TLF 2103

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.
For Women's Studies students only.

0101	Augusta Bolles	Seats (Total: 5)
	Contact instructor or department for details.	

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

Prerequisite: permission of department. For Women's Studies students only.

0101	Bonnie Dill	Seats (Total: 10)
	Contact instructor or department for details.	

WMST628 **Women's Studies Colloquium**

WMST628 Women's Studies Colloquium; (1 credit) Grade Method: S-F.

0101	Bonnie Dill	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698E **Special Topics in Women's Studies; Interdisciplinary Collaborative Research at the Intersections of Race, Gender and Ethnicity**

WMST698E Special Topics in Women's Studies: Interdisciplinary Collaborative Research at the Intersections of Race, Gender and Ethnicity; (1 credit) Grade Method: REG/AUD.

This course meets on 9/11, 10/9, 11/3 and 12/4 in 0124 Cole from 12-2pm

0101	Ruth Zambrana	Seats (Total: 10)
	TBA	COL 0124B

WMST698L **Special Topics in Women's Studies; Women and War, Feminism and Militarism**

WMST698L Special Topics in Women's Studies: Women and War, Feminism and Militarism; (3 credits) Grade Method: REG/AUD.

0101	Katie King	Seats (Total: 30)
	Th 4:00pm - 6:30pm	PLS 1115

WMST698N **Special Topics in Women's Studies; Intersectionality, Identities and Inequalities**

WMST698N *(PermReq)* **Special Topics in Women's Studies: Intersectionality, Identities and Inequalities; (1-3 credits)** Grade Method: REG/AUD.
This course is by permission of department and is only open to CRISP stu ents.This course will meet 9/25, 10/23 and 11/20 in 0124B Cole from 12- 2pm.

0101	Ruth Zambrana	Seats (Total: 6)
	TBA	COL 0124B

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent for Major Field Exam; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.